NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

TECHNICAL NOTE 3606

TABULATION OF THE f_λ FUNCTIONS WHICH OCCUR IN THE

AERODYNAMIC THEORY OF OSCILLATING WINGS IN

SUPERSONIC FLOW

By Vera Huckel

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SUMMARY

The integrals which are denoted as the f_λ functions and which occur in the aerodynamic theory for wings oscillating in pure supersonic flow have been evaluated and tabulated for various Mach numbers and values of the reduced frequency. Specific values of parameters λ, M, and k for which tabulations of f_λ are presented are: $\lambda = 0$ to 11; Mach numbers of 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, and 5.0; and values of the reduced frequency k from 0 to 2.0 at the following intervals - 0(0.005)0.15, 0.15(0.01)0.2, 0.2(0.025)0.35, 0.35(0.05)1.0, and 1.0(0.1)2.0. The tabulated values are considered accurate to one in the last digit.

INTRODUCTION

This report is concerned with a tabulation of the f_λ functions that occur in the aerodynamic theory for wings oscillating in pure supersonic flow. These functions are definite integrals of the form

$$\int_0^x x^\lambda e^{i\Omega x} J_0(ax)dx,$$ where λ is an integer, J_0 is the Bessel function of first kind of order 0, and Ω and a depend on Mach number and frequency. They have arisen from the theory for two-dimensional wings as originally developed by Possio (ref. 1) and further developed by Von Borbély (ref. 2).

Von Borbély (ref. 2) expressed the aerodynamic forces for a rigid two-dimensional oscillating wing in terms of f_λ functions. In addition, he derived and presented a recursion formula whereby f_λ for any λ

can be evaluated in terms of the primitive function f_0. In application, however, this recursion formula involves small differences between large numbers so that the evaluation of f_0 to an increasingly large number of places is necessary in order to avoid intolerable errors in f_λ as λ increases.

Schwarz (ref. 3) considered the evaluation and tabulation of certain integrals that are pertinent to both subsonic and supersonic aerodynamics. These integrals involved Bessel functions and Hankel functions of zero order among which was the primitive integral f_0. A fairly extensive tabulation of this integral is presented in reference 3; however, these tables are inadequate with regard to the number of places required to calculate f_λ to a sufficient degree of accuracy by Von Borbely's recursion formula for λ greater than 2 or 3.

The f_λ functions for $\lambda = 0$ to 3 arise in deriving the aerodynamic forces for rigid wings in pitching and vertical translation, as shown, for example, by Von Borbély (ref. 2) and Garrick and Rubinow (ref. 4). Some tabulations have been made of f_λ for values of λ necessary for treating such rigid wings. These tables are, however, for the most part, rather sparse with regard to either Mach number or frequency. For example, Von Borbély (ref. 2) and Miles (ref. 5) made tabulations at convenient intervals of a reduced-frequency—Mach number parameter, but convenient intervals in such a parameter do not necessarily correspond to convenient Mach number intervals. Keller, Black, and Czuba (ref. 6) made tabulations at convenient Mach number intervals but their tables do not cover a sufficient range of reduced-frequency parameter for general application.

If consideration is given to flexible wings or parts thereof, considerably higher values of the index λ arise. Examples that illustrate this fact may be found in treatments of chordwise bending (ref. 7), wide delta wings (refs. 5, 8, 9, and 10), and panel flutter (refs. 11 and 12).

The present report presents a tabulation of the f_λ functions for $\lambda = 0$ to 11 for various supersonic Mach numbers and values of the reduced frequency. The intervals are believed to be convenient with respect to Mach number in the range 1.2 to 5 and cover a fairly wide range of reduced frequency at small intervals convenient for general application. Calculations for the tables were performed by the Computation Laboratory, National Bureau of Standards, under an NACA contract. These tabulations should constitute a useful addition to existing tables pertaining to unsteady supersonic aerodynamics. In addition to the tabulations, a brief discussion of some of the applications mentioned in the foregoing paragraphs is presented.

SYMBOLS

x,y	Cartesian coordinates
f_λ	functions defined in equations (1) to (3)
M	Mach number, V/c
b	one-half chord
c	velocity of sound in undisturbed medium
V	velocity of main stream (supersonic)
k	reduced frequency, $b\omega/V$
ω	angular frequency of oscillation
$\bar{\omega}$	frequency parameter, $2kM^2/(M^2 - 1)$
J_0	Bessel function of first kind of order 0
$\sigma = \bar{\omega}/M$	
x_0	nodal line associated with wing pitching
h_0	amplitude constant associated with translation
α_0	amplitude constant associated with pitching
γ_0	amplitude constant associated with parabolic camber
S	plan-form area
Δp	local pressure difference
Z	displacement of wing plan form

DISCUSSION AND DESCRIPTION OF TABULATED FUNCTIONS

Definition of f_λ

The function f_λ which is a definite integral occurring in the theory of unsteady supersonic aerodynamics appears in a number of forms, one of which is

$$f_\lambda(M,\bar{\omega}) = \int_0^1 u^\lambda e^{-i\bar{\omega}u} J_0\left(\frac{\bar{\omega}}{M} u\right) du \qquad (1)$$

where M is Mach number, $\bar{\omega}$ is $2kM^2/(M^2 - 1)$, k is the reduced frequency, and J_0 is the Bessel function of the first kind of order 0. Another form, which may be readily derived from equation (1) is

$$f_\lambda(M,\bar{\omega}) = \frac{1}{\sigma} \int_0^\sigma \left(\frac{x}{\sigma}\right)^\lambda e^{-iMx} J_0(x) dx \qquad (2)$$

where $\sigma = \dfrac{\bar{\omega}}{M}$.

As may be noted in equations (1) or (2), f_λ is complex and may be written in terms of a real and imaginary part as

$$f_\lambda = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I \qquad (3)$$

where, for example,

$$\left(f_\lambda\right)_R = \frac{1}{\sigma} \int_0^\sigma \left(\frac{x}{\sigma}\right)^\lambda \cos Mx\, J_0(x) dx$$

and

$$\left(f_\lambda\right)_I = -\frac{1}{\sigma} \int_0^\sigma \left(\frac{x}{\sigma}\right)^\lambda \sin Mx\, J_0(x) dx$$

In some applications where integrals of this form arise, the parameters M and $\bar{\omega}$ may be replaced by other parameters.

Some Applications Involving f_λ

<u>Two-dimensional rigid wing</u>.- In references 2 and 4 consideration is given to a two-dimensional wing oscillating in pitch α and vertical translation h, and moving at supersonic speed. The displacement of this wing relative to its mean position can be expressed as

$$Z = \left[h_0 + \alpha_0\left(x - x_0\right)\right] e^{i\omega t} \tag{4}$$

where h_0 and α_0 are amplitude constants and $x = x_0$ is the axis about which the wing pitches or the node line associated with pitching motion. As discussed in references 2 and 4, the forces and moments are expressible as combinations of f_λ with $\lambda = 0$ to 3. For example, the moment coefficients associated with pitch about the leading edge $(x_0 = 0)$ of the wing are in a form reducible to

$$M_3{}' + iM_4{}' = \frac{1}{\sqrt{M^2 - 1}}\left\{ \left[-\frac{4}{3}\left(2f_0 - 3f_1 + f_3\right) + \frac{2}{k^2}f_1\right] + \frac{4i}{k}\left(f_0 - f_2\right)\right\} \tag{5}$$

<u>Camber modes</u>.- If, in addition to pitch and translation, the wing is undergoing parabolic chord bending, as discussed in reference 7, the displacement of the wing can be expressed as

$$Z = \left[h_0 + \alpha_0\left(x - x_0\right) + \frac{\gamma_0}{b}\left(2x - \frac{x^2}{b}\right)\right] e^{i\omega t} \tag{6}$$

where h_0, α_0, and x_0 are defined in the preceding paragraph, and γ_0 is an amplitude constant associated with the camber mode. According to this reference the coefficients associated with camber in the generalized camber force are given by

$$N_7 + iN_8 = \frac{1}{\sqrt{M^2 - 1}}\left[\frac{8}{3k^2}\left(-f_0 + 3f_1 - 2f_3\right) + \right.$$

$$\left. \frac{16}{15}\left(-f_0 + 5f_2 - 5f_3 + f_5\right) + \frac{16i}{3k}\left(2f_1 - 3f_2 + f_4\right)\right] \tag{7}$$

Other examples involving camber modes in which a knowledge of f_λ for higher values of λ is required may be found in investigations pertaining to panel flutter. (See, for example, ref. 12.)

Finite wings with supersonic edges.- An important application of the f_λ functions occurs in the flutter analysis of finite wings in purely supersonic flow. Some investigations (for example, refs. 8 and 9) have dealt with such wings undergoing deformations that vary with respect to both chord and span direction. To illustrate, if the virtual displacement of the wing is assumed to be expressible in polynomial form in terms of generalized coordinates as

$$\delta Z = \delta q_{0,0} + \delta q_{1,0}x + \delta q_{0,1}y + \delta q_{1,1}xy + \ldots + \delta q_{r,s}x^r y^s + \ldots$$

$$= \sum_m \sum_n \delta q_{m,n}x^m y^n \tag{8}$$

the virtual work, from which the generalized forces are readily obtainable is

$$\delta W = \sum_r \sum_s \delta q_{r,s} \iint_S x^r y^s \Delta p \, dx \, dy \tag{9}$$

where S is plan-form area and Δp is the pressure arising from the virtual displacement δZ. After the surface integrations in equation (9) are performed, the results can be expressed as

$$\delta W = \sum_r \sum_s \delta q_{r,s} \sum_m \sum_n \delta q_{m,n} F_{mnrs}(M,\bar{\omega}) \qquad (10)$$

where the function F_{mnrs} is found to be expressible in terms of f_λ with λ ranging up to the value $(m + n + r + s + 2)$. For example, in reference 5 the forces and moments are obtained for a triangular wing with supersonic edges which is oscillating in linear pitch and translation. The results are found to involve f_λ up to $\lambda = 4$ which may also be seen from equation (10), where in this case the indices are $m = 1$, $n = 0$, $r = 1$, $s = 0$. Another example is reference 10, in which the generalized force based on strip theory is determined for a delta wing undergoing parabolic span bending. In this case, the summation indices in equation (10) have the values $m = 0$, $n = 2$, $r = 0$, $s = 2$, and the generalized force is found to involve f_λ up to $\lambda = 6$.

Tabulations of f_λ

This report presents tabulations of f_λ (table I) for $\lambda = 0$ to 11 for various supersonic Mach numbers and values of the reduced frequency. Specific values of parameters λ, M, and k for which tabulations of f_λ are presented are: $\lambda = 0$ to 11; Mach numbers of 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, and 5.0; and values of the reduced frequency k from 0 to 2.0 at the following intervals - 0(0.005)0.15, 0.15(0.01)0.2, 0.2(0.025)0.35, 0.35(0.05)1.0, and 1.0(0.1)2.0. The calculations were performed on the National Bureau of Standards Eastern Automatic Computer (SEAC) by means of a numerical integration procedure involving the trapezoidal rule with correction terms containing first and second differences. (Gregory's formula terminated at the second difference term.) The tabulated values were checked by reevaluating each f_λ for $k = 2$ by another method involving an 11-point Lagrangian integration formula with the interval between points equal to one-sixtieth of the complete interval of integration. Since in the first computation the integral evaluated at $k = 2$ was dependent upon all the other integrals for $k < 2$ for the same λ and Mach number, then, if the values checked for $k = 2$, this was regarded as a sufficient check and the results were deemed accurate. The tabulated values were further checked by comparison with existing tables where possible. The values in the table are judged to be accurate to one in the last digit.

With the use of this table, Von Borbély's recursion formula can be employed to obtain f_λ satisfactorily for at least a few additional values of λ, that is, at least $\lambda = 13$ or 14.

Langley Aeronautical Laboratory,
    National Advisory Committee for Aeronautics,
        Langley Field, Va., October 27, 1955.

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INDEX TO TABLE

Tabulations are presented of the real and imaginary parts of f_λ where

$$f_\lambda(M,\bar\omega) = \int_0^1 u^\lambda e^{-i\bar\omega u} J_0\left(\frac{\bar\omega}{M}u\right) du$$

or

$$f_\lambda = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$$

and the parameters range as follows:

λ	M	k	
		Value	Interval
0 to 11	1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0	0 to 0.15 0.15 to 0.20 0.20 to 0.35 0.35 to 1.0 1.0 to 2 2	0.005 0.01 0.025 0.05 0.01 -----

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$

(a) $M = 1.2$

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9997595	-.0166607	.4998197	-.0109067	.3331891	-.0081798
.010	.9990585	-.0327054	.4992789	-.0217991	.3327565	-.0163477
.015	.9978581	-.0490105	.4983788	-.0326629	.3320365	-.0244918
.020	.9961600	-.0652640	.4971207	-.0434889	.3310303	-.0326003
.025	.9940071	-.0814465	.4955069	-.0542480	.3297398	-.0406612
.030	.9913825	-.0975399	.4935402	-.0649411	.3281674	-.0486661
.035	.9882904	-.1135278	.4912240	-.0755494	.3263161	-.0565944
.040	.9847655	-.1295915	.4885622	-.0860592	.3241891	-.0644356
.045	.9807234	-.1451154	.4855595	-.0964569	.3217906	-.0721995
.050	.9762605	-.1606823	.4822209	-.1067292	.3191248	-.0798511
.055	.9713550	-.1760759	.4785523	-.1168632	.3161967	-.0873876
.060	.9660091	-.1912800	.4745600	-.1268461	.3130116	-.0947985
.065	.9602369	-.2062790	.4702506	-.1366654	.3095755	-.1020734
.070	.9540452	-.2210576	.4656317	-.1463091	.3058945	-.1092022
.075	.9474434	-.2356007	.4607111	-.1557652	.3019755	-.1161754
.080	.9404416	-.2498939	.4554971	-.1650225	.2978256	-.1229836
.085	.9330506	-.2639233	.4499986	-.1740699	.2934522	-.1296175
.090	.9252814	-.2776751	.4442248	-.1828968	.2888635	-.1360687
.095	.9171458	-.2911364	.4381856	-.1914931	.2840675	-.1423288
.100	.9086561	-.3042948	.4318909	-.1998490	.2790731	-.1483899
.105	.8998251	-.3171382	.4253515	-.2079554	.2738892	-.1542446
.110	.8906658	-.3296555	.4185781	-.2158055	.2685250	-.1598856
.115	.8811919	-.3418555	.4115820	-.2233850	.2629902	-.1653065
.120	.8714175	-.3556681	.4043749	-.2306923	.2572945	-.1705011
.125	.8613569	-.3651441	.3969685	-.2377182	.2514482	-.1754636
.130	.8510248	-.3762544	.3893749	-.2444560	.2454614	-.1801888
.135	.8404364	-.3869908	.3816067	-.2508996	.2393447	-.1846721
.140	.8296069	-.3973457	.3736768	-.2570436	.2331087	-.1889090
.145	.8185519	-.4073122	.3655966	-.2628830	.2267643	-.1928958
.150	.8072872	-.4168842	.3573804	-.2684134	.2203225	-.1966294
.160	.7841950	-.4348229	.3405915	-.2785529	.2071909	-.2033261
.170	.7604538	-.4511262	.3234192	-.2873790	.1938030	-.2089831
.180	.7362007	-.4657696	.3059584	-.2949584	.1802488	-.2135928
.190	.7115652	-.4787401	.2883276	-.3012060	.1666175	-.2171556
.200	.6866785	-.4900357	.2706286	-.3061882	.1529977	-.2196801
.225	.6242031	-.5110337	.2267579	-.3131351	.1195596	-.2215747
.250	.5628897	-.5220798	.1846897	-.3126237	.0879960	-.2173599
.275	.5044850	-.5239798	.1456351	-.3054249	.0594132	-.2083521
.300	.4504669	-.5178567	.1108681	-.2925652	.0547022	-.1948768
.325	.4020067	-.5050782	.0811791	-.2752497	.0144999	-.1782084
.350	.3599123	-.4871653	.0570968	-.2548078	-.0008326	-.1595037
.400	.2962102	-.4425066	.0262758	-.2099504	-.0168865	-.1206108
.450	.2586571	-.3953790	.0165106	-.1678981	-.0157158	-.0865625
.500	.2419235	-.3558951	.0221564	-.1360700	-.0030056	-.0631935
.550	.2379851	-.3292959	.0356006	-.1180138	.0143123	-.0528516
.600	.2358799	-.3165751	.0493018	-.1133437	.0296185	-.0543756
.650	.2362193	-.3149850	.0575288	-.1185145	.0381943	-.0639239
.700	.2274997	-.3195048	.0574155	-.1282668	.0380677	-.0763613
.750	.2114824	-.3246431	.0491451	-.1372855	.0300627	-.0867875
.800	.1901762	-.3260140	.0353258	-.1416192	.0171148	-.0917955
.850	.1671839	-.3213688	.0198221	-.1395199	.0031213	-.0901606
.900	.1463123	-.3108537	.0064253	-.1315547	-.0083102	-.0828364
.950	.1303584	-.2965465	-.0022519	-.1200542	-.0148584	-.0723484
1.000	.1203853	-.2815060	-.0053813	-.1081358	-.0159859	-.0618216
1.100	.1139547	-.2599396	-.0000590	-.0953206	-.0077425	-.0503060
1.200	.1096089	-.2551300	.0048818	-.0946549	-.0013352	-.0543857
1.300	.0959811	-.2562446	-.0028945	-.1005651	-.0078889	-.0619324
1.400	.0710931	-.2489845	-.0181168	-.0972830	-.0214051	-.0597137
1.500	.0538872	-.2319904	-.0277869	-.0843201	-.0289684	-.0480984
1.600	.0476970	-.2156744	-.0271137	-.0723717	-.0264367	-.0379694
1.700	.0454757	-.2081084	-.0234593	-.0691176	-.0215070	-.0365576
1.800	.0379321	-.2061438	-.0258413	-.0709855	-.0229361	-.0398779
1.900	.0245201	-.2008756	-.0343263	-.0691129	-.0303629	-.0391384
2.000	.0126095	-.1888586	-.0413795	-.0604239	-.0361576	-.0316282

TABLE I.- VALUES OF $f_\lambda(M,\beta) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(a) $M = 1.2$ - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2498798	-.0065438	.1998969	-.0054551	.1665765	-.0046740
.010	.2495193	-.0130773	.1995880	-.0108972	.1663062	-.0093401
.015	.2489193	-.0195904	.1990738	-.0163234	.1658563	-.0139902
.020	.2480810	-.0260730	.1983553	-.0217229	.1652277	-.0186166
.025	.2470060	-.0325149	.1974341	-.0270869	.1644217	-.0232114
.030	.2456965	-.0389061	.1963119	-.0324065	.1634401	-.0277669
.035	.2441545	-.0452368	.1949910	-.0376752	.1622849	-.0322755
.040	.2423836	-.0514975	.1934742	-.0428785	.1609585	-.0367290
.045	.2403871	-.0576779	.1917644	-.0480139	.1594635	-.0411207
.050	.2381687	-.0637691	.1898650	-.0530712	.1578028	-.0454431
.055	.2357328	-.0697619	.1877799	-.0580424	.1559803	-.0496890
.060	.2330842	-.0756471	.1855133	-.0629196	.1539996	-.0538515
.065	.2302278	-.0814160	.1830697	-.0676952	.1518647	-.0579237
.070	.2271692	-.0870600	.1804539	-.0723618	.1495800	-.0618991
.075	.2239142	-.0925709	.1776712	-.0769121	.1471503	-.0657714
.080	.2204692	-.0979408	.1747271	-.0813395	.1445803	-.0695343
.085	.2168406	-.1031619	.1716275	-.0856368	.1418755	-.0731825
.090	.2130355	-.1082270	.1683784	-.0897981	.1390413	-.0767098
.095	.2090609	-.1131290	.1649864	-.0938172	.1360836	-.0801111
.100	.2049246	-.1178613	.1614580	-.0976885	.1330081	-.0833814
.105	.2006343	-.1224176	.1578003	-.1014064	.1298213	-.0865159
.110	.1961980	-.1267920	.1540203	-.1049659	.1265295	-.0895102
.115	.1916242	-.1309789	.1501254	-.1083624	.1231393	-.0923601
.120	.1869214	-.1349733	.1461232	-.1115913	.1196575	-.0950620
.125	.1820983	-.1387705	.1420216	-.1146489	.1160911	-.0976122
.130	.1771639	-.1423661	.1378282	-.1175313	.1124471	-.1000078
.135	.1721273	-.1457563	.1335513	-.1202355	.1087328	-.1022459
.140	.1669978	-.1489377	.1291990	-.1227585	.1049555	-.1043241
.145	.1617847	-.1519072	.1247795	-.1250979	.1011225	-.1062404
.150	.1564976	-.1546624	.1203013	-.1272516	.0972411	-.1079930
.160	.1457396	-.1595216	.1112022	-.1309957	.0893642	-.1110021
.170	.1348008	-.1635039	.1019697	-.1339824	.0813853	-.1133451
.180	.1237587	-.1666050	.0926717	-.1362096	.0733649	-.1150212
.190	.1126901	-.1688280	.0833755	-.1376815	.0653629	-.1160355
.200	.1016710	-.1701826	.0741474	-.1384087	.0574382	-.1163987
.225	.0748185	-.1698974	.0517930	-.1370922	.0385338	-.1145765
.250	.0498080	-.1647462	.0311957	-.1316547	.0208868	-.1091889
.275	.0275662	-.1553895	.0131497	-.1227051	.0057904	-.1007987
.300	.0088235	-.1426649	-.0017305	-.1110051	-.0064281	-.0901027
.325	-.0059190	-.1275322	-.0130391	-.0974189	-.0154323	-.0778855
.350	-.0164070	-.1110128	-.0205929	-.0828582	-.0210885	-.0649679
.400	-.0248833	-.0778394	-.0248052	-.0543623	-.0228158	-.0401982
.450	-.0190671	-.0502903	-.0170298	-.0317187	-.0142455	-.0212486
.500	-.0043680	-.0331002	-.0022082	-.0188481	-.0000011	-.0114235
.550	.0129065	-.0278049	.0138786	-.0167326	.0146453	-.0113184
.600	.0269578	-.0328119	.0261189	-.0235477	.0251548	-.0189945
.650	.0338812	-.0442352	.0312548	-.0354874	.0287820	-.0307842
.700	.0323690	-.0572114	.0284643	-.0480067	.0250603	-.0424650
.750	.0236592	-.0675061	.0192421	-.0571177	.0156355	-.0504454
.800	.0108240	-.0716326	.0066791	-.0605869	.0035482	-.0526796
.850	-.0023441	-.0694138	-.0056063	-.0573957	-.0077855	-.0490248
.900	-.0125004	-.0618959	-.0145552	-.0495911	-.0155855	-.0410565
.950	-.0178440	-.0517085	-.0184720	-.0396314	-.0184298	-.0314093
1.000	-.0175191	-.0419111	-.0173462	-.0304650	-.0165089	-.0228881
1.100	-.0078137	-.0323960	-.0067299	-.0226000	-.0053853	-.0165223
1.200	-.0011262	-.0379581	-.0001887	-.0291868	.0007616	-.0253633
1.300	-.0074804	-.0459858	-.0066246	-.0372913	-.0058686	-.0318541
1.400	-.0201502	-.0438914	-.0186811	-.0354468	-.0174105	-.0293283
1.500	-.0264364	-.0328507	-.0239764	-.0243236	-.0218725	-.0188682
1.600	-.0228708	-.0237703	-.0197005	-.0160930	-.0170800	-.0113535
1.700	-.0174364	-.0234499	-.0140623	-.0165822	-.0114070	-.0124913
1.800	-.0189959	-.0274943	-.0151977	-.0210621	-.0126368	-.0172399
1.900	-.0255769	-.0272135	-.0219406	-.0209804	-.0192326	-.0172185
2.000	-.0306923	-.0202596	-.0265805	-.0145501	-.0234952	-.0107944

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(a) M = 1.2 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1427770	-.0040897	.1249279	-.0036353	.1110456	-.0032717
.010	.1425367	-.0081723	.1247116	-.0072641	.1108489	-.0065375
.015	.1421368	-.0122406	.1243517	-.0108798	.1105218	-.0097914
.020	.1415781	-.0162874	.1238489	-.0144762	.1100647	-.0130274
.025	.1408619	-.0203059	.1232044	-.0180467	.1094789	-.0162398
.030	.1399895	-.0242889	.1224194	-.0215850	.1087694	-.0194226
.035	.1389630	-.0282296	.1214958	-.0250848	.1079259	-.0225702
.040	.1377844	-.0321211	.1204354	-.0285399	.1069623	-.0256768
.045	.1364562	-.0359569	.1192407	-.0319444	.1058765	-.0287370
.050	.1349813	-.0397302	.1179141	-.0352921	.1046711	-.0317452
.055	.1333627	-.0434348	.1164584	-.0385774	.1033487	-.0346962
.060	.1316040	-.0470643	.1148769	-.0417945	.1019120	-.0375847
.065	.1297087	-.0506128	.1131730	-.0449379	.1003643	-.0404058
.070	.1276808	-.0540742	.1113501	-.0480024	.0987089	-.0431545
.075	.1255247	-.0574429	.1094124	-.0509826	.0969495	-.0458261
.080	.1232448	-.0607136	.1073638	-.0538738	.0950897	-.0484162
.085	.1208459	-.0638808	.1052088	-.0566712	.0931337	-.0509204
.090	.1183329	-.0669396	.1029519	-.0593702	.0910856	-.0533346
.095	.1157112	-.0698853	.1005979	-.0619665	.0889499	-.0556548
.100	.1129861	-.0727134	.0981518	-.0644562	.0867311	-.0578775
.105	.1101634	-.0754197	.0956187	-.0668355	.0844340	-.0599991
.110	.1072487	-.0780002	.0930040	-.0691007	.0820635	-.0620165
.115	.1042481	-.0804513	.0903132	-.0712486	.0796247	-.0639267
.120	.1011677	-.0827697	.0875517	-.0732763	.0771227	-.0657269
.125	.0980139	-.0849522	.0847255	-.0751811	.0745627	-.0674149
.130	.0947950	-.0869962	.0818403	-.0769604	.0719502	-.0689882
.135	.0915116	-.0888993	.0789021	-.0786122	.0692907	-.0704452
.140	.0881762	-.0906594	.0759170	-.0801345	.0665897	-.0717840
.145	.0847936	-.0922746	.0728910	-.0815260	.0638528	-.0730034
.150	.0813706	-.0937435	.0698302	-.0827852	.0610857	-.0741022
.160	.0744301	-.0962584	.0636295	-.0849037	.0554856	-.0759351
.170	.0674096	-.0981390	.0573645	-.0864859	.0498291	-.0772797
.180	.0603685	-.0994456	.0510849	-.0875529	.0441676	-.0781373
.190	.0533457	-.1001637	.0448396	-.0880502	.0385440	-.0785136
.200	.0464092	-.1003037	.0386767	-.0880482	.0330023	-.0784186
.225	.0297544	-.0982384	.0239294	-.0858789	.0197799	-.0762220
.250	.0146569	-.0930365	.0108450	-.0809130	.0079333	-.0715044
.275	.0017308	-.0852199	-.0006265	-.0736366	-.0020397	-.0647202
.300	-.0085641	-.0754300	-.0094779	-.0646427	-.0097735	-.0560208
.325	-.0159433	-.0643816	-.0156657	-.0545913	-.0150617	-.0472167
.350	-.0203086	-.0528272	-.0191173	-.0441652	-.0178454	-.0378372
.400	-.0205088	-.0310349	-.0183519	-.0247791	-.0164588	-.0203219
.450	-.0117332	-.0149077	-.0096642	-.0108482	-.0080036	-.0081310
.500	.0016943	-.0072727	.0028969	-.0048224	.0037200	-.0033120
.550	.0149454	-.0084506	.0148891	-.0068241	.0146068	-.0058416
.600	.0239596	-.0164588	.0226536	-.0148691	.0213371	-.0137602
.650	.0268995	-.0277921	.0241813	-.0256216	.0221690	-.0238985
.700	.0220606	-.0385291	.0194615	-.0354385	.0172358	-.0328848
.750	.0126694	-.0454385	.0102557	-.0413957	.0083040	-.0380032
.800	.0011785	-.0467847	-.0005909	-.0420203	-.0018968	-.0380575
.850	-.0092044	-.0426596	-.0100731	-.0375461	-.0105523	-.0333817
.900	-.0159578	-.0346537	-.0159031	-.0296587	-.0155829	-.0256727
.950	-.0178965	-.0254040	-.0170974	-.0208582	-.0161738	-.0173417
1.000	-.0153707	-.0175424	-.0141306	-.0136420	-.0129005	-.0107362
1.100	-.0040572	-.0125251	-.0028609	-.0098105	-.0018356	-.0079255
1.200	.0015520	-.0203986	.0021458	-.0180270	.0025575	-.0168293
1.300	-.0055010	-.0280937	-.0049095	-.0255524	-.0046644	-.0232296
1.400	-.0163654	-.0252821	-.0155045	-.0222284	-.0147795	-.0198111
1.500	-.0200959	-.0150606	-.0185790	-.0122455	-.0172617	-.0100773
1.600	-.0149193	-.0081918	-.0131178	-.0059722	-.0115959	-.0043596
1.700	-.0093163	-.0098642	-.0076532	-.0080908	-.0063155	-.0068312
1.800	-.0106989	-.0147680	-.0092150	-.0130673	-.0080642	-.0118585
1.900	-.0171865	-.0147220	-.0156077	-.0129445	-.0143630	-.0116063
2.000	-.0211179	-.0084397	-.0192390	-.0067674	-.0177131	-.0055154

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(a) $M = 1.2$ - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999399	-.0029743	.0908556	-.0027264	.082819	-.0025167
.010	.0997597	-.0059431	.0906873	-.0054477	.083274	-.0050286
.015	.0994598	-.0089009	.0904104	-.0081588	.028703	-.0075310
.020	.0990409	-.0118422	.0900238	-.0108547	.0825113	-.0100191
.025	.0985039	-.0147617	.0895281	-.0135302	.0820510	-.0124885
.030	.0978499	-.0176539	.0889246	-.0161804	.0814907	-.0149539
.035	.0970806	-.0205136	.0882145	-.0188004	.0808514	-.0173513
.040	.0961975	-.0233355	.0873995	-.0213854	.0800748	-.0197360
.045	.0952026	-.0261146	.0864814	-.0239305	.0792223	-.0220835
.050	.0940981	-.0288457	.0854623	-.0264312	.0782765	-.0243895
.055	.0928865	-.0315240	.0843444	-.0288828	.0772389	-.0266497
.060	.0915704	-.0341446	.0831502	-.0312810	.0761120	-.0288601
.065	.0901527	-.0367031	.0818225	-.0336213	.0748984	-.0310166
.070	.0886367	-.0391948	.0804241	-.0358998	.0736007	-.0331153
.075	.0870255	-.0416154	.0789582	-.0381123	.0722220	-.0351525
.080	.0853227	-.0439608	.0773680	-.0402550	.0707653	-.0371247
.085	.0835321	-.0462270	.0757171	-.0423243	.0692339	-.0390285
.090	.0816576	-.0484102	.0739890	-.0443166	.0676311	-.0408602
.095	.0797032	-.0505069	.0721876	-.0462287	.0659606	-.0426173
.100	.0776752	-.0525137	.0703169	-.0480574	.0642260	-.0442966
.105	.0755720	-.0544274	.0683810	-.0497998	.0624312	-.0458956
.110	.0734042	-.0562450	.0663840	-.0514552	.0605802	-.0474116
.115	.0711744	-.0579639	.0643303	-.0530151	.0586770	-.0488424
.120	.0688874	-.0595817	.0622245	-.0544853	.0567258	-.0501859
.125	.0665481	-.0610960	.0600710	-.0558556	.0547309	-.0514401
.130	.0641615	-.0625049	.0578745	-.0571304	.0526965	-.0526035
.135	.0617327	-.0638067	.0556397	-.0583060	.0506273	-.0536746
.140	.0592668	-.0649999	.0533715	-.0593811	.0485275	-.0546521
.145	.0567689	-.0660833	.0510745	-.0603546	.0464017	-.0555351
.150	.0542444	-.0670559	.0487538	-.0612255	.0442545	-.0563227
.160	.0491365	-.0686661	.0440605	-.0626578	.0399141	-.0576101
.170	.0439851	-.0698280	.0393308	-.0636759	.0355428	-.0585125
.180	.0388323	-.0705433	.0346058	-.0642816	.0311771	-.0590321
.190	.0337195	-.0708177	.0299177	-.0644806	.0268528	-.0591742
.200	.0286871	-.0706608	.0253102	-.0642822	.0226049	-.0589479
.225	.0167098	-.0684798	.0143680	-.0621409	.0125360	-.0568595
.250	.0060291	-.0640054	.0046901	-.0578972	.0036259	-.0528511
.275	-.0029012	-.0576641	-.0034268	-.0519525	-.0033898	-.0472416
.300	-.0097527	-.0499705	-.0095624	-.0447895	-.0092870	-.0405452
.325	-.0143387	-.0414926	-.0135925	-.0369585	-.0128675	-.0332394
.350	-.0166209	-.0328133	-.0154896	-.0289423	-.0144651	-.0258321
.400	-.0148507	-.0170338	-.0134590	-.0145371	-.0122474	-.0125949
.450	-.0066766	-.0062449	-.0056120	-.0048952	-.0047317	-.0039042
.500	.0042689	-.0023476	.0046233	-.0017137	.0048407	-.0012868
.550	.0141942	-.0052113	.0137140	-.0047821	.0132055	-.0044726
.600	.0200688	-.0129157	.0188778	-.0122283	.0177731	-.0116419
.650	.0203703	-.0224507	.0187740	-.0211918	.0173611	-.0200742
.700	.0155394	-.0306516	.0137241	-.0287119	.0123452	-.0269918
.750	.0067280	-.0350942	.0054528	-.0325661	.0044618	-.0303485
.800	-.0028515	-.0347027	-.0035427	-.0318294	-.0040372	-.0293457
.850	-.0107617	-.0299225	-.0107874	-.0270149	-.0106904	-.0245470
.900	-.0151073	-.0224415	-.0145489	-.0197896	-.0139542	-.0175897
.950	-.0152194	-.0145781	-.0142792	-.0123778	-.0133827	-.0106059
1.000	-.0117389	-.0085573	-.0106721	-.0068519	-.0097079	-.0055447
1.100	-.0009825	-.0065922	-.0002858	-.0056330	.0002760	-.0049312
1.200	.0028193	-.0150609	.0029651	-.0140739	.0030250	-.0132765
1.300	-.0044961	-.0215107	-.0044015	-.0200695	-.0043464	-.0188281
1.400	-.0141507	-.0178296	-.0135898	-.0161641	-.0130779	-.0147389
1.500	-.0160995	-.0083596	-.0150601	-.0069710	-.0141223	-.0058523
1.600	-.0102950	-.0031607	-.0091728	-.0022558	-.0081985	-.0015665
1.700	-.0052293	-.0059626	-.0043407	-.0055135	-.0036100	-.0048811
1.800	-.0071617	-.0109128	-.0064466	-.0101901	-.0058750	-.0096071
1.900	-.0133611	-.0105530	-.0125587	-.0096933	-.0118510	-.0089708
2.000	-.0164443	-.0045594	-.0155673	-.0037547	-.0144369	-.0031085

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(b) M = 1.3

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9998704	-.0122452	.4999028	-.0081653	.3332556	-.0061224
.010	.9994819	-.0244855	.4996114	-.0163211	.3330225	-.0122402
.015	.9988346	-.0367079	.4991260	-.0244678	.3326642	-.0183488
.020	.9979292	-.0489116	.4984471	-.0325979	.3320911	-.0244435
.025	.9967664	-.0610876	.4975752	-.0407058	.3313938	-.0305198
.030	.9953470	-.0732291	.4965112	-.0487862	.3305428	-.0365751
.035	.9936723	-.0853292	.4952560	-.0568535	.3295591	-.0425988
.040	.9917436	-.0973812	.4938106	-.0648423	.3283855	-.0485925
.045	.9895624	-.1093785	.4921765	-.0728072	.3270773	-.0545496
.050	.9871305	-.1213138	.4903551	-.0807229	.3256216	-.0604657
.055	.9844499	-.1331811	.4883480	-.0885841	.3240178	-.0663365
.060	.9815227	-.1449737	.4861570	-.0963855	.3222674	-.0721575
.065	.9783512	-.1566849	.4837840	-.1041221	.3203723	-.0779245
.070	.9749381	-.1683085	.4812312	-.1117887	.3183340	-.0836333
.075	.9712859	-.1798381	.4785008	-.1193802	.3161547	-.0892797
.080	.9673977	-.1912673	.4755952	-.1268918	.3138356	-.0948596
.085	.9632766	-.2025905	.4725171	-.1343185	.3113811	-.1003689
.090	.9589257	-.2138011	.4692692	-.1416556	.3087914	-.1058037
.095	.9543487	-.2248934	.4658543	-.1488984	.3060697	-.1111602
.100	.9495491	-.2358615	.4622755	-.1560424	.3032186	-.1164346
.105	.9445306	-.2466998	.4585359	-.1630829	.3002406	-.1216231
.110	.9392974	-.2574027	.4546387	-.1700157	.2971388	-.1267222
.115	.9338535	-.2679648	.4505875	-.1768366	.2939159	-.1317283
.120	.9282031	-.2783807	.4463858	-.1835412	.2905750	-.1366381
.125	.9223508	-.2886453	.4420372	-.1901256	.2871193	-.1414485
.130	.9163011	-.2987536	.4375456	-.1965860	.2835520	-.1461557
.135	.9100587	-.3087007	.4329148	-.2029185	.2798768	-.1507571
.140	.9036285	-.3184819	.4281490	-.2091194	.2760959	-.1552497
.145	.8970155	-.3280927	.4232521	-.2151853	.2722141	-.1596306
.150	.8902248	-.3375286	.4182285	-.2211127	.2682346	-.1638970
.160	.8761312	-.3558591	.4078185	-.2325596	.2599972	-.1720762
.170	.8613912	-.3734416	.3969542	-.2433758	.2514141	-.1797679
.180	.8460496	-.3902473	.3856751	-.2535996	.2425167	-.1869550
.190	.8301527	-.4062500	.3740132	-.2631917	.2333374	-.1936223
.200	.8137481	-.4214266	.3620136	-.2721353	.2239094	-.1997568
.225	.7708574	-.4556299	.3307920	-.2915703	.1994738	-.2126977
.250	.7258407	-.4843250	.2985359	-.3067208	.1742339	-.2221433
.275	.6795515	-.5074066	.2652894	-.3175400	.1487304	-.2280773
.300	.6327566	-.5248912	.2322864	-.3240852	.1234925	-.2305718
.325	.5862164	-.5369128	.1999338	-.3265033	.0990229	-.2297809
.350	.5406473	-.5437158	.1687962	-.3254438	.0757843	-.2259359
.400	.4549681	-.5431279	.1121306	-.3118522	.0345680	-.2105366
.450	.3799927	-.5268295	.0694845	-.2878517	.0023920	-.1867773
.500	.3184885	-.4994000	.0307238	-.2570364	-.0194680	-.1587543
.550	.2715845	-.4657415	.0082983	-.2235608	-.0309157	-.1298400
.600	.2388348	-.4305271	-.0026714	-.1912639	-.0330116	-.1032455
.650	.2184575	-.3977272	-.0041560	-.1652687	-.0277263	-.0814855
.700	.2077073	-.3702611	.0011342	-.1417003	-.0176123	-.0661450
.750	.2033254	-.3498097	.0101596	-.1275532	-.0054290	-.0577863
.800	.2020029	-.3367994	.0199655	-.1207117	.0062281	-.0559777
.850	.2007985	-.3305436	.0280434	-.1201107	.0152424	-.0549926
.900	.1974558	-.3295100	.0325971	-.1240030	.0202003	-.0565591
.950	.1906091	-.3316655	.0326865	-.1302885	.0204972	-.0750854
1.000	.1798057	-.3348455	.0282380	-.1368556	.0163237	-.0831701
1.100	.1485780	-.3369272	.0090148	-.1440812	-.0015273	-.0920147
1.200	.1131297	-.3266695	-.0145581	-.1380427	-.0224281	-.0870540
1.300	.0845354	-.3050847	-.0314911	-.1209588	-.0359656	-.0716125
1.400	.0684609	-.2802833	-.0367711	-.1013436	-.0380158	-.0544772
1.500	.0627635	-.2608575	-.0330927	-.0876838	-.0319009	-.0436965
1.600	.0602107	-.2508031	-.0277845	-.0831154	-.0250116	-.0419482
1.700	.0557721	-.2475940	-.0274391	-.0848865	-.0236468	-.0458842
1.800	.0408707	-.2450139	-.0341470	-.0865325	-.0293589	-.0491959
1.900	.0241944	-.2376150	-.0448031	-.0829846	-.0387822	-.0469804
2.000	.0091111	-.2240306	-.0559506	-.0732052	-.0464039	-.0386066

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(b) M = 1.3 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499352	-.0048979	.1999445	-.0040815	.1666181	-.0034985
.010	.2497410	-.0097918	.1997780	-.0081596	.1664724	-.0069958
.015	.2494174	-.0146778	.1995006	-.0122508	.1662297	-.0104850
.020	.2489649	-.0195520	.1991128	-.0162916	.1658904	-.0139630
.025	.2483859	-.0244103	.1986148	-.0203385	.1654547	-.0174307
.030	.2476749	-.0292490	.1980075	-.0243682	.1649232	-.0208851
.035	.2468388	-.0340640	.1972908	-.0283773	.1642964	-.0243171
.040	.2458762	-.0388515	.1964660	-.0323623	.1635750	-.0277298
.045	.2447883	-.0436078	.1955340	-.0363199	.1627597	-.0311181
.050	.2435761	-.0483289	.1944955	-.0402468	.1618514	-.0344791
.055	.2422408	-.0530112	.1933518	-.0441398	.1608512	-.0378100
.060	.2407838	-.0576509	.1921039	-.0479955	.1597601	-.0411077
.065	.2392064	-.0622443	.1907533	-.0518107	.1585792	-.0443695
.070	.2375104	-.0667879	.1893012	-.0555824	.1573098	-.0475927
.075	.2356974	-.0712780	.1877493	-.0593074	.1559533	-.0507743
.080	.2337692	-.0757112	.1860990	-.0629826	.1545111	-.0539118
.085	.2317278	-.0800841	.1843522	-.0666051	.1529848	-.0570024
.090	.2295751	-.0843933	.1825107	-.0701719	.1513759	-.0600437
.095	.2273134	-.0886354	.1805763	-.0736803	.1496863	-.0630330
.100	.2249448	-.0928073	.1785511	-.0771272	.1479177	-.0659679
.105	.2224718	-.0969059	.1764370	-.0805102	.1460719	-.0688459
.110	.2198968	-.1009280	.1742364	-.0838264	.1441510	-.0716648
.115	.2172225	-.1048708	.1719515	-.0870734	.1421569	-.0744223
.120	.2144510	-.1087313	.1695846	-.0902486	.1400918	-.0771161
.125	.2115856	-.1125067	.1671382	-.0933496	.1379578	-.0797441
.130	.2086290	-.1161944	.1646147	-.0963742	.1357573	-.0823044
.135	.2055841	-.1197918	.1620167	-.0993200	.1334924	-.0847949
.140	.2024538	-.1232963	.1593469	-.1021849	.1311656	-.0872137
.145	.1992412	-.1267057	.1566080	-.1049669	.1287794	-.0895592
.150	.1959494	-.1300175	.1538027	-.1076689	.1263361	-.0918294
.160	.1891413	-.1363401	.1480046	-.1127961	.1212888	-.0961380
.170	.1820559	-.1422480	.1419759	-.1175677	.1160447	-.1001278
.180	.1747204	-.1477271	.1357408	-.1219666	.1106255	-.1037881
.190	.1671631	-.1527651	.1293240	-.1259826	.1050532	-.1071105
.200	.1594126	-.1573515	.1227510	-.1296070	.0993507	-.1100870
.225	.1393844	-.1667914	.1058049	-.1369142	.0846763	-.1159835
.250	.1187976	-.1732849	.0884532	-.1416775	.0696973	-.1196431
.275	.0981179	-.1768352	.0711041	-.1439085	.0547769	-.1210889
.300	.0777983	-.1775137	.0541532	-.1436856	.0402660	-.1203889
.325	.0582665	-.1754767	.0379721	-.1411526	.0264924	-.1176787
.350	.0399131	-.1709582	.0228976	-.1365106	.0137519	-.1131557
.400	.0080572	-.1555020	-.0028111	-.1219481	-.0076582	-.0996208
.450	-.0157685	-.1339088	-.0212801	-.1024488	-.0225232	-.0820149
.500	-.0305040	-.1092596	-.0317781	-.0807855	-.0302793	-.0628405
.550	-.0363691	-.0846593	-.0345575	-.0596968	-.0312519	-.0445404
.600	-.0344579	-.0628466	-.0307500	-.0415541	-.0265522	-.0291970
.650	-.0266688	-.0458912	-.0221550	-.0280960	-.0178752	-.0182945
.700	-.0153655	-.0350028	-.0109958	-.0202624	-.0072333	-.0125761
.750	-.0030386	-.0304591	.0006055	-.0181455	.0033351	-.0120090
.800	.0080331	-.0316654	.0105109	-.0210570	.0120411	-.0158575
.850	.0160578	-.0373248	.0172329	-.0276982	.0175671	-.0228472
.900	.0199207	-.0456877	.0198871	-.0363884	.0192059	-.0313913
.950	.0192634	-.0548426	.0182926	-.0453563	.0165044	-.0398449
1.000	.0144515	-.0630028	.0129271	-.0529835	.0112103	-.0467464
1.100	-.0034185	-.0711987	-.0047866	-.0597875	-.0060347	-.0520750
1.200	-.0228818	-.0657016	-.0227271	-.0534216	-.0224624	-.0449569
1.300	-.0341763	-.0506604	-.0321450	-.0385895	-.0301588	-.0304375
1.400	-.0342554	-.0348554	-.0306785	-.0239548	-.0274804	-.0169075
1.500	-.0269209	-.0259321	-.0225952	-.0164662	-.0189752	-.0107205
1.600	-.0195667	-.0258506	-.0151775	-.0175840	-.0117385	-.0128033
1.700	-.0180987	-.0308818	-.0139063	-.0233122	-.0108100	-.0189490
1.800	-.0236123	-.0348104	-.0194441	-.0274688	-.0164556	-.0231215
1.900	-.0324750	-.0330303	-.0279603	-.0257960	-.0246975	-.0213993
2.000	-.0392871	-.0252455	-.0341483	-.0183175	-.0303359	-.0141025

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(b) M = 1.3 - Continued

k	$\left(f_6\right)_R$	$\left(f_6\right)_I$	$\left(f_7\right)_R$	$\left(f_7\right)_I$	$\left(f_8\right)_R$	$\left(f_8\right)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428140	-.0030611	.1249611	-.0027210	.1110758	-.0024489
.010	.1426845	-.0061195	.1248446	-.0054395	.1109698	-.0048955
.015	.1424688	-.0091723	.1246505	-.0081529	.1107934	-.0073374
.020	.1421672	-.0122168	.1243790	-.0108588	.1105466	-.0097725
.025	.1417799	-.0152503	.1240305	-.0135546	.1102298	-.0121983
.030	.1413075	-.0182699	.1236054	-.0162379	.1098434	-.0146126
.035	.1407504	-.0212731	.1231041	-.0189062	.1093877	-.0170132
.040	.1401093	-.0242570	.1225272	-.0215570	.1088633	-.0193978
.045	.1393848	-.0272190	.1218754	-.0241880	.1082709	-.0217641
.050	.1385778	-.0301565	.1211493	-.0267966	.1076109	-.0241100
.055	.1376891	-.0330668	.1203497	-.0293805	.1068843	-.0264332
.060	.1367198	-.0359474	.1194777	-.0319373	.1060919	-.0287317
.065	.1356707	-.0387956	.1185341	-.0344648	.1052345	-.0310032
.070	.1345433	-.0416090	.1175200	-.0369607	.1043130	-.0332458
.075	.1333385	-.0443852	.1164365	-.0394227	.1033287	-.0354573
.080	.1320579	-.0471216	.1152849	-.0418486	.1022825	-.0376358
.085	.1307027	-.0498159	.1140664	-.0442362	.1011756	-.0397793
.090	.1292744	-.0524657	.1127825	-.0465856	.1000093	-.0418857
.095	.1277747	-.0550689	.1114342	-.0488885	.0987850	-.0439534
.100	.1262051	-.0576232	.1100234	-.0511490	.0975039	-.0459804
.105	.1245673	-.0601264	.1085515	-.0533681	.0961675	-.0479649
.110	.1228631	-.0625765	.1070203	-.0555290	.0947774	-.0499053
.115	.1210944	-.0649713	.1054313	-.0576848	.0933350	-.0517998
.120	.1192650	-.0673091	.1037865	-.0597087	.0918420	-.0536468
.125	.1173710	-.0695877	.1020871	-.0617190	.0903001	-.0554448
.130	.1154204	-.0718055	.1003356	-.0636741	.0887110	-.0571922
.135	.1134133	-.0739607	.0985338	-.0655725	.0870764	-.0588877
.140	.1113518	-.0760516	.0966835	-.0674125	.0853982	-.0605299
.145	.1092381	-.0780765	.0947867	-.0691927	.0836782	-.0621174
.150	.1070746	-.0800341	.0928457	-.0709119	.0819183	-.0636490
.160	.1026070	-.0837414	.0888590	-.0741618	.0782867	-.0665401
.170	.0979680	-.0871628	.0846807	-.0771528	.0745195	-.0691944
.180	.0931773	-.0902892	.0803888	-.0798767	.0706327	-.0716048
.190	.0882549	-.0931128	.0759815	-.0823266	.0666436	-.0737651
.200	.0832213	-.0956275	.0714776	-.0844970	.0625694	-.0756703
.225	.0702882	-.1005333	.0599205	-.0886757	.0521261	-.0792960
.250	.0571204	-.1034449	.0481787	-.0910535	.0415353	-.0812837
.275	.0440449	-.1043852	.0365498	-.0916596	.0310696	-.0816578
.300	.0313767	-.1034244	.0253192	-.0905617	.0209900	-.0804894
.325	.0194090	-.1006967	.0147319	-.0878829	.0115581	-.0778931
.350	.0084047	-.0963750	.0050845	-.0837869	.0029288	-.0740223
.400	-.0098572	-.0858408	-.0107868	-.0721704	-.0110740	-.0662288
.450	-.0221609	-.0678742	-.0211986	-.0576073	-.0200439	-.0498678
.500	-.0280843	-.0507519	-.0257993	-.0421838	-.0236986	-.0358631
.550	-.0279558	-.0346749	-.0249815	-.0278999	-.0224428	-.0230453
.600	-.0228921	-.0214931	-.0197817	-.0164158	-.0172708	-.0129176
.650	-.0144070	-.0124920	-.0116985	-.0088586	-.0095587	-.0064786
.700	-.0044613	-.0082673	-.0024582	-.0057113	-.0010184	-.0041240
.750	.0051273	-.0087013	.0062673	-.0067980	.0068878	-.0056577
.800	.0127567	-.0130389	.0129428	-.0113610	.0128127	-.0102698
.850	.0172806	-.0200465	.0166520	-.0182147	.0158653	-.0168847
.900	.0181297	-.0282280	.0169040	-.0259501	.0156705	-.0241557
.950	.0155433	-.0360614	.0138047	-.0331578	.0123828	-.0307742
1.000	.0095100	-.0422231	.0079647	-.0386344	.0066217	-.0356421
1.100	-.0070551	-.0462259	-.0078143	-.0415199	-.0085370	-.0376128
1.200	-.0220114	-.0385749	-.0213996	-.0335434	-.0206781	-.0294759
1.300	-.0282148	-.0245021	-.0265392	-.0200127	-.0245638	-.0165393
1.400	-.0246195	-.0120586	-.0220765	-.0086101	-.0198337	-.0061088
1.500	-.0159449	-.0070253	-.0134167	-.0045826	-.0113156	-.0029447
1.600	-.0090438	-.0098666	-.0069587	-.0080044	-.0052992	-.0067965
1.700	-.0085221	-.0162383	-.0068839	-.0144558	-.0055897	-.0132190
1.800	-.0142924	-.0202898	-.0127098	-.0182989	-.0115354	-.0168028
1.900	-.0222790	-.0184355	-.0204366	-.0162731	-.0189905	-.0145944
2.000	-.0274576	-.0112613	-.0251656	-.0091979	-.0232941	-.0076149

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(b) M = 1.3 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999676	−.0022265	.0908792	−.0020407	.0833056	−.0018838
.010	.0998705	−.0044504	.0907895	−.0040795	.0832223	−.0037657
.015	.0997087	−.0066702	.0906402	−.0061143	.0830837	−.0056459
.020	.0994825	−.0088857	.0904314	−.0081431	.0828898	−.0075165
.025	.0991922	−.0110887	.0901634	−.0101641	.0826409	−.0093818
.030	.0988380	−.0132851	.0898365	−.0121752	.0823374	−.0112379
.035	.0984203	−.0154647	.0894510	−.0141745	.0819794	−.0130850
.040	.0979397	−.0176316	.0890074	−.0161601	.0815676	−.0149155
.045	.0973967	−.0197816	.0885062	−.0181301	.0811023	−.0167330
.050	.0967919	−.0219128	.0879481	−.0200826	.0805841	−.0185344
.055	.0961260	−.0240231	.0873336	−.0220156	.0800136	−.0203177
.060	.0953999	−.0261105	.0866635	−.0239273	.0793915	−.0220811
.065	.0946142	−.0281731	.0859385	−.0258165	.0787185	−.0238251
.070	.0937699	−.0302090	.0851595	−.0276802	.0779954	−.0255419
.075	.0928681	−.0322162	.0843274	−.0295176	.0772230	−.0272359
.080	.0919096	−.0341929	.0834451	−.0313267	.0764023	−.0289034
.085	.0908957	−.0361373	.0825077	−.0331057	.0755342	−.0305430
.090	.0898275	−.0380476	.0815225	−.0348532	.0746197	−.0321531
.095	.0887061	−.0399221	.0804880	−.0365674	.0736599	−.0337322
.100	.0875329	−.0417591	.0794059	−.0382468	.0726559	−.0352788
.105	.0863092	−.0435569	.0782774	−.0398899	.0716088	−.0367916
.110	.0850364	−.0453140	.0771037	−.0414992	.0705199	−.0382691
.115	.0837160	−.0470288	.0758862	−.0430612	.0693905	−.0397100
.120	.0823494	−.0486999	.0746265	−.0445867	.0682218	−.0411131
.125	.0809381	−.0503257	.0733254	−.0460703	.0670152	−.0424771
.130	.0794839	−.0519050	.0719850	−.0475106	.0657721	−.0438009
.135	.0779882	−.0534364	.0706066	−.0489066	.0644940	−.0450832
.140	.0764529	−.0549187	.0691917	−.0502570	.0631822	−.0463231
.145	.0748796	−.0563506	.0677421	−.0515608	.0618383	−.0475195
.150	.0732701	−.0577310	.0662594	−.0528168	.0604638	−.0486715
.160	.0699496	−.0603333	.0632011	−.0551819	.0576295	−.0508584
.170	.0665063	−.0627176	.0600307	−.0573451	.0546921	−.0528174
.180	.0629553	−.0648775	.0567624	−.0593004	.0516649	−.0546027
.190	.0593124	−.0668072	.0534107	−.0610427	.0485615	−.0561897
.200	.0555935	−.0685024	.0499904	−.0625679	.0453937	−.0575748
.225	.0460699	−.0716954	.0412388	−.0654145	.0375011	−.0601386
.250	.0364270	−.0735853	.0325895	−.0668724	.0291259	−.0614122
.275	.0269161	−.0735969	.0236759	−.0669668	.0210878	−.0614206
.300	.0177777	−.0723988	.0153209	−.0657654	.0133944	−.0603270
.325	.0092337	−.0698995	.0075294	−.0635652	.0062562	−.0579292
.350	.0014808	−.0662428	.0004828	−.0599083	−.0002188	−.0546562
.400	−.0110262	−.0561816	−.0108031	−.0504977	−.0104909	−.0458246
.450	−.0188687	−.0438550	−.0177449	−.0390672	−.0166997	−.0351758
.500	−.0218178	−.0310472	−.0201558	−.0272794	−.0186923	−.0242653
.550	−.0202827	−.0194446	−.0184445	−.0166963	−.0168733	−.0145479
.600	−.0152158	−.0104182	−.0135229	−.0085778	−.0121159	−.0071862
.650	−.0079482	−.0046611	−.0066191	−.0037273	−.0056121	−.0029113
.700	.0000192	−.0031001	.0007701	−.0024178	.0015153	−.0019502
.750	.0072360	−.0048918	.0073866	−.0043872	.0074085	−.0040290
.800	.0125034	−.0095000	.0120990	−.0089169	.0116504	−.0084487
.850	.0150265	−.0158390	.0141954	−.0149691	.0133953	−.0142175
.900	.0144990	−.0226598	.0154187	−.0213634	.0124376	−.0202188
.950	.0111104	−.0287596	.0099899	−.0269623	.0090103	−.0253876
1.000	.0054806	−.0330765	.0045216	−.0308398	.0037190	−.0288668
1.100	−.0086670	−.0345082	−.0089481	−.0314781	−.0089180	−.0290313
1.200	−.0198998	−.0261336	−.0190906	−.0233529	−.0182888	−.0210155
1.300	−.0229096	−.0138086	−.0215858	−.0116541	−.0199923	−.0098831
1.400	−.0178676	−.0042697	−.0161497	−.0029031	−.0146502	−.0018789
1.500	−.0095751	−.0018381	−.0081282	−.0010884	−.0069283	−.0005813
1.600	−.0040245	−.0059963	−.0030337	−.0054548	−.0022628	−.0050788
1.700	−.0046720	−.0123131	−.0059956	−.0116136	−.0054899	−.0110465
1.800	−.0106477	−.0156130	−.0099616	−.0146230	−.0094175	−.0137709
1.900	−.0178198	−.0132288	−.0168456	−.0120798	−.0160076	−.0110501
2.000	−.0217218	−.0063521	−.0203690	−.0053171	−.0191828	−.0044533

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(c) M = 1.4

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999128	−.0102077	.4999346	−.0068051	.3332810	−.0051037
.010	.9996513	−.0204117	.4997385	−.0136071	.3331241	−.0102050
.015	.9992155	−.0306081	.4994117	−.0204031	.3328627	−.0153012
.020	.9986058	−.0407933	.4989545	−.0271902	.3324969	−.0203900
.025	.9978225	−.0509635	.4983671	−.0339652	.3320271	−.0254687
.030	.9968659	−.0611149	.4976498	−.0407255	.3314534	−.0305350
.035	.9957365	−.0712440	.4968031	−.0474674	.3307768	−.0355863
.040	.9944350	−.0813568	.4958276	−.0541886	.3299961	−.0406202
.045	.9929620	−.0914198	.4947236	−.0608859	.3291134	−.0456342
.050	.9913183	−.1014593	.4934919	−.0675565	.3281287	−.0506258
.055	.9895048	−.1114617	.4921332	−.0741975	.3270426	−.0555928
.060	.9875224	−.1214232	.4906485	−.0808055	.3258557	−.0605326
.065	.9853721	−.1313404	.4890381	−.0873788	.3245689	−.0654428
.070	.9830551	−.1412096	.4873034	−.0939128	.3231830	−.0703212
.075	.9805725	−.1510274	.4854453	−.1004061	.3216987	−.0751653
.080	.9779257	−.1607901	.4834648	−.1068555	.3201170	−.0799729
.085	.9751160	−.1704943	.4813632	−.1132582	.3184388	−.0847416
.090	.9721449	−.1801366	.4791415	−.1196114	.3166654	−.0894692
.095	.9690139	−.1897137	.4768012	−.1259126	.3147976	−.0941534
.100	.9657246	−.1992220	.4743435	−.1321590	.3128367	−.0987921
.105	.9622788	−.2086584	.4717698	−.1383480	.3107838	−.1033831
.110	.9586783	−.2180195	.4690817	−.1444769	.3086404	−.1079242
.115	.9549248	−.2273022	.4662807	−.1505434	.3064076	−.1124133
.120	.9510204	−.2365032	.4633685	−.1565448	.3040868	−.1168484
.125	.9469669	−.2456194	.4603465	−.1624787	.3016795	−.1212273
.130	.9427666	−.2546479	.4572164	−.1683427	.2991871	−.1255485
.135	.9384215	−.2635855	.4539803	−.1741344	.2966112	−.1298094
.140	.9339340	−.2724293	.4506400	−.1798515	.2939554	−.1340085
.145	.9293062	−.2811764	.4471973	−.1854917	.2912192	−.1381439
.150	.9245405	−.2898240	.4436541	−.1910528	.2883985	−.1422136
.160	.9146055	−.3068097	.4362745	−.2019292	.2825355	−.1501493
.170	.9041485	−.3233647	.4285180	−.2124640	.2763792	−.1578021
.180	.8931913	−.3394689	.4204020	−.2226414	.2699442	−.1651591
.190	.8817556	−.3551030	.4119446	−.2324466	.2632461	−.1722085
.200	.8698643	−.3702489	.4031648	−.2418659	.2563010	−.1789390
.225	.8382995	−.4058699	.3799359	−.2636439	.2379670	−.1943056
.250	.8044238	−.4381079	.3551299	−.2827614	.2184642	−.2074897
.275	.7686455	−.4667841	.3290874	−.2990907	.1980765	−.2185761
.300	.7313863	−.4917726	.3021516	−.3125486	.1770943	−.2269241
.325	.6930759	−.5130011	.2746714	−.3230970	.1558116	−.2331082
.350	.6541431	−.5304507	.2469356	−.3307426	.1345185	−.2369471
.400	.5760838	−.5541989	.1923861	−.3375698	.0930155	−.2378505
.450	.5003792	−.5638756	.1408410	−.3339202	.0546551	−.2304965
.500	.4297894	−.5610375	.0944894	−.3212513	.0211486	−.2162223
.550	.3665098	−.5477908	.0549551	−.3014525	−.0062375	−.1967172
.600	.3120680	−.5266095	.0232755	−.2766857	−.0267686	−.1738765
.650	.2672749	−.5001584	−.0001414	−.2492011	−.0402525	−.1496467
.700	.2322327	−.4709948	−.0154781	−.2211851	−.0470186	−.1258739
.750	.2063965	−.4415870	−.0234642	−.1945850	−.0478532	−.1041688
.800	.1886799	−.4139618	−.0252652	−.1709922	−.0439015	−.0857992
.850	.1775954	−.3896920	−.0223434	−.1515506	−.0365464	−.0716172
.900	.1714140	−.3698117	−.0163322	−.1369105	−.0272745	−.0620261
.950	.1683309	−.3547997	−.0088679	−.1272269	−.0177436	−.0569881
1.000	.1666214	−.3446105	−.0014623	−.1221989	−.0086610	−.0560682
1.100	.1616048	−.3363601	.0084166	−.1251087	.0026441	−.0633382
1.200	.1484598	−.3376394	.0072984	−.1315680	.0021744	−.0757871
1.300	.1254870	−.3354789	−.0049667	−.1388273	−.0091248	−.0832971
1.400	.0962311	−.3349754	−.0238946	−.1386900	−.0262687	−.0865597
1.500	.0668722	−.3214457	−.0429985	−.1292653	−.0428149	−.0784929
1.600	.0431716	−.3006031	−.0566788	−.1128428	−.0533583	−.0658915
1.700	.0281643	−.2770256	−.0622733	−.0942222	−.0563336	−.0476848
1.800	.0213400	−.2557778	−.0606323	−.0783579	−.0523759	−.0346502
1.900	.0193860	−.2402349	−.0552162	−.0668217	−.0455009	−.0275295
2.000	.0179588	−.2309454	−.0502859	−.0643315	−.0392885	−.0262264

TABLE I.- VALUES OF $f_\lambda(M,\bar{a}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(c) M = 1.4 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499564	−.0040850	.1999626	−.0034025	.1666540	−.0029164
.010	.2498256	−.0081658	.1998506	−.0068031	.1665359	−.0058311
.015	.2496078	−.0122403	.1996658	−.0101999	.1663725	−.0087425
.020	.2493030	−.0163105	.1994026	−.0135911	.1661440	−.0116489
.025	.2489115	−.0203720	.1990671	−.0169748	.1658504	−.0145486
.030	.2484335	−.0244228	.1986574	−.0203492	.1654920	−.0174400
.035	.2478694	−.0284609	.1981739	−.0237123	.1650690	−.0203214
.040	.2472194	−.0324840	.1976170	−.0270624	.1645817	−.0231912
.045	.2464841	−.0364900	.1969859	−.0303975	.1640305	−.0260478
.050	.2456639	−.0404770	.1962841	−.0337160	.1634158	−.0288895
.055	.2447593	−.0444427	.1955091	−.0370159	.1627379	−.0317148
.060	.2437710	−.0483852	.1946624	−.0402954	.1619974	−.0345219
.065	.2426995	−.0523024	.1937446	−.0435529	.1611947	−.0373094
.070	.2415457	−.0561922	.1927563	−.0467864	.1603304	−.0400757
.075	.2403101	−.0600528	.1916982	−.0499943	.1594052	−.0428192
.080	.2389937	−.0638820	.1905709	−.0531749	.1584196	−.0455384
.085	.2375973	−.0676780	.1893753	−.0563265	.1573744	−.0482318
.090	.2361217	−.0714388	.1881122	−.0594470	.1562703	−.0508978
.095	.2345681	−.0751624	.1867823	−.0625353	.1551080	−.0535351
.100	.2329373	−.0788471	.1853867	−.0655895	.1538885	−.0561421
.105	.2312304	−.0824910	.1839262	−.0686080	.1526121	−.0587174
.110	.2294485	−.0860922	.1824018	−.0715893	.1512803	−.0612596
.115	.2275929	−.0896490	.1808145	−.0745317	.1498958	−.0637674
.120	.2256646	−.0931595	.1791655	−.0774338	.1484555	−.0662394
.125	.2236649	−.0966221	.1774557	−.0802941	.1469605	−.0686742
.130	.2215951	−.1000351	.1756865	−.0831110	.1454157	−.0710706
.135	.2194566	−.1033969	.1738588	−.0858832	.1438203	−.0734273
.140	.2172507	−.1067057	.1719740	−.0886092	.1421755	−.0757431
.145	.2149789	−.1099601	.1700334	−.0912877	.1404818	−.0780167
.150	.2126425	−.1131586	.1680381	−.0939174	.1387411	−.0802471
.160	.2077823	−.1193815	.1638891	−.0990251	.1351225	−.0845733
.170	.2026824	−.1253650	.1595380	−.1039924	.1313294	−.0887132
.180	.1973560	−.1310924	.1549964	−.1086001	.1273721	−.0926585
.190	.1918164	−.1365598	.1502761	−.1130495	.1232614	−.0964017
.200	.1860776	−.1417557	.1453895	−.1172628	.1190082	−.0999360
.225	.1709548	−.1535045	.1325302	−.1267174	.1078281	−.1078180
.250	.1549134	−.1633964	.1189199	−.1345601	.0960161	−.1142769
.275	.1381990	−.1715540	.1047755	−.1407279	.0837659	−.1192593
.300	.1210653	−.1778343	.0903177	−.1451875	.0712751	−.1227395
.325	.1037589	−.1813281	.0757689	−.1479367	.0587411	−.1247191
.350	.0865352	−.1833603	.0613471	−.1490029	.0463576	−.1252268
.400	.0528801	−.1818002	.0337117	−.1463594	.0227742	−.1220692
.450	.0230491	−.1734700	.0089261	−.1379626	.0018571	−.1139855
.500	−.0027296	−.1595923	−.0117931	−.1249933	−.0153377	−.1020010
.550	−.0230425	−.1416845	−.0276077	−.1088033	−.0281019	−.0873708
.600	−.0373454	−.1214256	−.0381047	−.0908948	−.0361147	−.0714495
.650	−.0455781	−.1005171	−.0433048	−.0727736	−.0394482	−.0555886
.700	−.0481373	−.0805479	−.0436347	−.0558273	−.0385387	−.0410015
.750	−.0458140	−.0628756	−.0398659	−.0412207	−.0341277	−.0287157
.800	−.0397009	−.0485354	−.0330274	−.0298125	−.0271800	−.0194540
.850	−.0310789	−.0381705	−.0243008	−.0221068	−.0187855	−.0136137
.900	−.0212958	−.0320278	−.0149079	−.0182355	−.0100558	−.0112519
.950	−.0116454	−.0299518	−.0060015	−.0179754	−.0020241	−.0121038
1.000	−.0032602	−.0314408	.0014311	−.0207958	.0044418	−.0158312
1.100	.0064803	−.0418550	.0091789	−.0324686	.0104065	−.0276201
1.200	.0046518	−.0594776	.0059222	−.0454498	.0060866	−.0403715
1.300	−.0071376	−.0649862	−.0082120	−.0545721	−.0061104	−.0478690
1.400	−.0236498	−.0658956	−.0220403	−.0548028	−.0211041	−.0469941
1.500	−.0387095	−.0578023	−.0357092	−.0461673	−.0334145	−.0382711
1.600	−.0476005	−.0438523	−.0430016	−.0326833	−.0392934	−.0251613
1.700	−.0486630	−.0289755	−.0427154	−.0188010	−.0375300	−.0123344
1.800	−.0454766	−.0176921	−.0367028	−.0089194	−.0313760	−.0036930
1.900	−.0357586	−.0123883	−.0287176	−.0050105	−.0233650	−.0009379
2.000	−.0295696	−.0126571	−.0226607	−.0064085	−.0176105	−.0031768

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(c) M = 1.4 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428281	-.0025318	.1249759	-.0022685	.1110874	-.0020415
.010	.1427409	-.0051022	.1248954	-.0045552	.1110160	-.0040817
.015	.1425957	-.0078495	.1247647	-.0067994	.1108972	-.0061194
.020	.1423925	-.0101923	.1245819	-.0090595	.1107310	-.0081553
.025	.1421316	-.0127291	.1243470	-.0113142	.1105175	-.0101823
.030	.1418130	-.0152585	.1240603	-.0135620	.1102569	-.0122050
.035	.1414371	-.0177789	.1237220	-.0158017	.1099494	-.0142202
.040	.1410040	-.0202888	.1233323	-.0180319	.1095951	-.0162268
.045	.1405142	-.0227868	.1228915	-.0202513	.1091944	-.0182234
.050	.1399679	-.0252714	.1223999	-.0224585	.1087476	-.0202089
.055	.1393655	-.0277412	.1218579	-.0246522	.1082550	-.0221820
.060	.1387074	-.0301948	.1212659	-.0268312	.1077169	-.0241415
.065	.1379943	-.0326306	.1206242	-.0289940	.1071338	-.0260864
.070	.1372264	-.0350474	.1199334	-.0311396	.1065060	-.0280153
.075	.1364044	-.0374437	.1191940	-.0332665	.1058341	-.0299272
.080	.1355289	-.0398181	.1184065	-.0353735	.1051184	-.0318209
.085	.1346005	-.0421693	.1175714	-.0374594	.1043597	-.0336952
.090	.1336199	-.0444959	.1166894	-.0395230	.1035584	-.0355491
.095	.1325877	-.0467966	.1157612	-.0415631	.1027150	-.0373814
.100	.1315046	-.0490701	.1147873	-.0435785	.1018303	-.0391911
.105	.1303715	-.0513151	.1137685	-.0455680	.1009048	-.0409771
.110	.1291892	-.0535304	.1127054	-.0475304	.0999393	-.0427383
.115	.1279584	-.0557147	.1115990	-.0494648	.0989344	-.0444738
.120	.1266801	-.0578668	.1104500	-.0513699	.0978910	-.0461825
.125	.1253551	-.0599856	.1092591	-.0532447	.0968096	-.0478635
.130	.1239844	-.0620698	.1080273	-.0550882	.0956912	-.0495158
.135	.1225690	-.0641185	.1067555	-.0568993	.0945363	-.0511384
.140	.1211098	-.0661301	.1054445	-.0586770	.0933464	-.0527305
.145	.1196079	-.0681041	.1040952	-.0604204	.0921218	-.0542911
.150	.1180642	-.0700391	.1027087	-.0621285	.0908635	-.0558194
.160	.1148563	-.0737885	.0998280	-.0654351	.0882496	-.0587758
.170	.1114949	-.0773706	.0968104	-.0685900	.0855122	-.0615934
.180	.1079894	-.0807781	.0936645	-.0715866	.0826692	-.0642662
.190	.1043495	-.0840043	.0903992	-.0744188	.0796988	-.0667888
.200	.1005853	-.0870432	.0870236	-.0770814	.0766395	-.0691561
.225	.0906994	-.0937860	.0781651	-.0829668	.0686161	-.0743674
.250	.0802700	-.0992550	.0688311	-.0876956	.0601707	-.0783265
.275	.0694722	-.1034046	.0591811	-.0912312	.0514501	-.0815982
.300	.0584843	-.1062141	.0493776	-.0935596	.0426033	-.0855687
.325	.0474842	-.1076879	.0395826	-.0946851	.0337789	-.0844453
.350	.0366460	-.1078549	.0299559	-.0946361	.0251214	-.0842559
.400	.0161110	-.1044996	.0117892	-.0912551	.0088489	-.0808888
.450	-.0019331	-.0968201	-.0040460	-.0859870	-.0057404	-.0740606
.500	-.0165556	-.0857695	-.0167215	-.0737771	-.0163981	-.0645967
.550	-.0271474	-.0724950	-.0257053	-.0616614	-.0241543	-.0534763
.600	-.0334548	-.0582250	-.0307943	-.0487713	-.0285440	-.0417431
.650	-.0355850	-.0441820	-.0321146	-.0362146	-.0291069	-.0304128
.700	-.0339663	-.0314621	-.0300931	-.0249827	-.0268589	-.0203877
.750	-.0293130	-.0209585	-.0254035	-.0158714	-.0222406	-.0123859
.800	-.0225266	-.0132954	-.0188931	-.0094238	-.0160476	-.0068787
.850	-.0146149	-.0087913	-.0114966	-.0056975	-.0091501	-.0040828
.900	-.0065937	-.0074504	-.0041470	-.0052599	-.0024089	-.0039371
.950	.0006049	-.0089847	.0023094	-.0072102	.0034026	-.0061355
1.000	.0062115	-.0128598	.0071852	-.0112252	.0076660	-.0101693
1.100	.0107195	-.0246788	.0105390	-.0226387	.0101141	-.0210743
1.200	.0056790	-.0365961	.0050450	-.0335177	.0043595	-.0310539
1.300	-.0065411	-.0429016	-.0066459	-.0389257	-.0069173	-.0356101
1.400	-.0204220	-.0412545	-.0198053	-.0366701	-.0191892	-.0328956
1.500	-.0314559	-.0323840	-.0296791	-.0277852	-.0280308	-.0240991
1.600	-.0361171	-.0197801	-.0333148	-.0157389	-.0308153	-.0126328
1.700	-.0339193	-.0079177	-.0304908	-.0047958	-.0273350	-.0025487
1.800	-.0270506	-.0003884	-.0234812	+.0017458	-.0205110	+.0031261
1.900	-.0191824	+.0014042	-.0158661	+.0027438	-.0132142	+.0034757
2.000	-.0138266	-.0014657	-.0109924	-.0005822	-.0087505	-.0001712

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(c) M = 1.4 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999782	−.0018559	.0908890	−.0017012	.0833147	−.0015703
.010	.0999128	−.0037106	.0908286	−.0034013	.0832586	−.0031397
.015	.0998039	−.0055630	.0907281	−.0050993	.0831653	−.0047070
.020	.0996516	−.0074119	.0905875	−.0067941	.0830347	−.0062714
.025	.0994559	−.0092563	.0904068	−.0084846	.0828670	−.0078317
.030	.0992170	−.0110948	.0901863	−.0101698	.0826622	−.0093871
.035	.0989351	−.0129265	.0899261	−.0118485	.0824206	−.0109365
.040	.0986104	−.0147501	.0896265	−.0135198	.0821424	−.0124789
.045	.0982432	−.0165646	.0892875	−.0151826	.0818276	−.0140133
.050	.0978336	−.0183688	.0889095	−.0168358	.0814767	−.0155389
.055	.0973821	−.0201616	.0884928	−.0184784	.0810898	−.0170546
.060	.0968890	−.0219419	.0880377	−.0201095	.0806673	−.0185594
.065	.0963546	−.0237086	.0875445	−.0217279	.0802094	−.0200525
.070	.0957793	−.0254606	.0870136	−.0233327	.0797165	−.0215329
.075	.0951636	−.0271969	.0864454	−.0249228	.0791890	−.0229996
.080	.0945079	−.0289165	.0858403	−.0264974	.0786273	−.0244518
.085	.0938126	−.0306180	.0851988	−.0280554	.0780319	−.0258885
.090	.0930784	−.0323007	.0845214	−.0295959	.0774031	−.0273089
.095	.0923058	−.0339636	.0838085	−.0311180	.0767414	−.0287120
.100	.0914953	−.0356056	.0830608	−.0326206	.0760474	−.0300971
.105	.0906476	−.0372257	.0822787	−.0341030	.0753216	−.0314632
.110	.0897632	−.0388230	.0814629	−.0355642	.0745645	−.0328096
.115	.0888428	−.0403966	.0806139	−.0370033	.0737766	−.0341355
.120	.0878871	−.0419454	.0797325	−.0384196	.0729587	−.0354399
.125	.0868969	−.0434687	.0788192	−.0398120	.0721113	−.0367222
.130	.0858728	−.0449655	.0778747	−.0411800	.0712350	−.0379816
.135	.0848156	−.0464349	.0768998	−.0425225	.0703305	−.0392174
.140	.0837260	−.0478762	.0758952	−.0438390	.0693985	−.0404287
.145	.0826049	−.0492885	.0748616	−.0451285	.0684397	−.0416151
.150	.0814532	−.0506710	.0737997	−.0463905	.0674548	−.0427756
.160	.0790609	−.0533437	.0715946	−.0488287	.0654097	−.0450169
.170	.0765568	−.0558884	.0692863	−.0511482	.0632692	−.0471476
.180	.0739465	−.0582997	.0668816	−.0533441	.0610398	−.0491650
.190	.0712392	−.0605726	.0643876	−.0554117	.0587281	−.0510589
.200	.0684422	−.0627026	.0618116	−.0573469	.0563409	−.0528314
.225	.0611107	−.0673768	.0550627	−.0615820	.0500892	−.0567013
.250	.0534005	−.0710851	.0479796	−.0649211	.0435239	−.0597371
.275	.0454473	−.0737901	.0406616	−.0673359	.0367633	−.0619133
.300	.0373889	−.0754863	.0332639	−.0688167	.0299269	−.0632214
.325	.0293624	−.0761798	.0259046	−.0693721	.0231334	−.0636705
.350	.0215011	−.0758977	.0187073	−.0690285	.0164981	−.0632860
.400	.0067720	−.0726068	.0052597	−.0658838	.0041308	−.0601977
.450	−.0056058	−.0661718	−.0062532	−.0597622	−.0064108	−.0544580
.500	−.0158518	−.0573668	−.0152142	−.0515396	−.0145521	−.0467516
.550	−.0226462	−.0471038	−.0212390	−.0420197	−.0199497	−.0378802
.600	−.0261542	−.0363505	−.0242184	−.0321046	−.0225112	−.0286884
.650	−.0265237	−.0260446	−.0243050	−.0226640	−.0223917	−.0199868
.700	−.0241578	−.0170127	−.0218888	−.0144604	−.0199677	−.0124825
.750	−.0196658	−.0099043	−.0175494	−.0080870	−.0157913	−.0067205
.800	−.0137965	−.0051433	−.0119935	−.0039234	−.0105311	−.0030433
.850	−.0073628	−.0029032	−.0059829	−.0021132	−.0049033	−.0015707
.900	−.0011628	−.0031059	−.0002607	−.0025649	.0003977	−.0022013
.950	.0040934	−.0054448	.0045175	−.0049743	.0047655	−.0046653
1.000	.0078449	−.0094277	.0078403	−.0088663	.0077255	−.0084149
1.100	.0095827	−.0197903	.0090193	−.0186895	.0084629	−.0177200
1.200	.0037028	−.0289467	.0031071	−.0271056	.0025815	−.0254757
1.300	−.0071202	−.0327811	−.0072509	−.0303525	−.0073172	−.0281923
1.400	−.0185610	−.0297312	−.0179256	−.0270490	−.0172922	−.0247427
1.500	−.0264948	−.0210949	−.0250657	−.0186159	−.0237399	−.0165491
1.600	−.0285783	−.0102078	−.0265742	−.0082917	−.0247773	−.0067619
1.700	−.0249757	−.0009140	−.0227526	+.0002898	−.0208154	+.0011619
1.800	−.0180257	+.0040067	−.0159359	+.0045513	−.0141701	+.0048678
1.900	−.0110802	+.0058327	−.0093525	+.0059577	−.0079456	+.0059405
2.000	−.0070522	−.0000273	−.0057357	−.0000322	−.0047034	−.0001164

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(d) $M = 1.5$

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999540	-.0089996	.4999505	-.0059997	.3332937	-.0044997
.010	.9997360	-.0179968	.4998020	-.0119974	.3331750	-.0089978
.015	.9994062	-.0269891	.4995546	-.0179913	.3329771	-.0134927
.020	.9989445	-.0359741	.4992085	-.0239793	.3327001	-.0179827
.025	.9983513	-.0449494	.4987636	-.0299595	.3323443	-.0224663
.030	.9976267	-.0539126	.4982203	-.0359301	.3319097	-.0269417
.035	.9967711	-.0628612	.4975787	-.0418890	.3313965	-.0314075
.040	.9957846	-.0717929	.4968392	-.0478344	.3308051	-.0358620
.045	.9946678	-.0807053	.4960020	-.0537643	.3301356	-.0403036
.050	.9934210	-.0895959	.4950675	-.0596768	.3293883	-.0447307
.055	.9920448	-.0984625	.4940361	-.0655701	.3285637	-.0491418
.060	.9905396	-.1073025	.4929085	-.0714421	.3276620	-.0535352
.065	.9889060	-.1161137	.4916845	-.0772912	.3266838	-.0579094
.070	.9871446	-.1248937	.4903652	-.0831153	.3256293	-.0622629
.075	.9852562	-.1336403	.4889510	-.0889126	.3244992	-.0665941
.080	.9832414	-.1423510	.4874425	-.0946813	.3232938	-.0709015
.085	.9811010	-.1510236	.4858403	-.1004196	.3220139	-.0751835
.090	.9788358	-.1596558	.4841451	-.1061256	.3206599	-.0794387
.095	.9764467	-.1682455	.4823577	-.1117976	.3192324	-.0836655
.100	.9739346	-.1767900	.4804787	-.1174337	.3177322	-.0878625
.105	.9713004	-.1852876	.4785091	-.1230322	.3161598	-.0920282
.110	.9685452	-.1937358	.4764495	-.1285914	.3145161	-.0961612
.115	.9656699	-.2021326	.4743009	-.1341095	.3128017	-.1002601
.120	.9626757	-.2104758	.4720641	-.1395849	.3110174	-.1043234
.125	.9595637	-.2187632	.4697402	-.1450157	.3091640	-.1083497
.130	.9563351	-.2269927	.4673301	-.1504005	.3072424	-.1123377
.135	.9529910	-.2351623	.4648348	-.1557375	.3052533	-.1162860
.140	.9495328	-.2432700	.4622553	-.1610251	.3031978	-.1201933
.145	.9459618	-.2513136	.4595927	-.1662618	.3010768	-.1240583
.150	.9422792	-.2592913	.4568482	-.1714459	.2988911	-.1278796
.160	.9345851	-.2750410	.4511180	-.1816503	.2943298	-.1353864
.170	.9264620	-.2905036	.4450740	-.1916268	.2895222	-.1427039
.180	.9179220	-.3056645	.4387264	-.2013635	.2844768	-.1498225
.190	.9089778	-.3205094	.4320857	-.2108489	.2792025	-.1567333
.200	.8996427	-.3350247	.4251628	-.2200751	.2737088	-.1634275
.225	.8746859	-.3697871	.4066968	-.2419249	.2590788	-.1791664
.250	.8476009	-.4022233	.3867277	-.2619588	.2432989	-.1933814
.275	.8186319	-.4321750	.3654570	-.2799928	.2265403	-.2059886
.300	.7880364	-.4595035	.3430962	-.2959910	.2089824	-.2169006
.325	.7560822	-.4841104	.3198648	-.3098600	.1908108	-.2260718
.350	.7230434	-.5059189	.2959866	-.3215515	.1722143	-.2334662
.400	.6548230	-.5409901	.2471914	-.3385342	.1345058	-.2429001
.450	.5855760	-.5647089	.1984858	-.3464482	.0973336	-.2453629
.500	.5173991	-.5775180	.1515379	-.3463768	.0620821	-.2413342
.550	.4521906	-.5802668	.1078296	-.3389558	.0299544	-.2315736
.600	.3915694	-.5741481	.0685891	-.3252158	.0019255	-.2170677
.650	.3368141	-.5606188	.0347410	-.3065104	-.0213018	-.1989653
.700	.2888221	-.5413098	.0068761	-.2842570	-.0393206	-.1785059
.750	.2480927	-.5179514	-.0147595	-.2598528	-.0520256	-.1569456
.800	.2147323	-.4921800	-.0302537	-.2347741	-.0599004	-.1354859
.850	.1884820	-.4656504	-.0400000	-.2103015	-.0624887	-.1152080
.900	.1687637	-.4397600	-.0446517	-.1875558	-.0613505	-.0970191
.950	.1547415	-.4156880	-.0450840	-.1674291	-.0570079	-.0816113
1.000	.1455937	-.3945331	-.0422279	-.1505521	-.0503896	-.0694360
1.100	.1361724	-.3618496	-.0310282	-.1276946	-.0341028	-.0553500
1.200	.1321373	-.3435108	-.0190621	-.1186895	-.0195434	-.0526212
1.300	.1259697	-.3365087	-.0124355	-.1198552	-.0117441	-.0602339
1.400	.1134065	-.3355976	-.0142139	-.1256610	-.0128226	-.0697723
1.500	.0936564	-.3349955	-.0242149	-.1304970	-.0219165	-.0770541
1.600	.0688589	-.3300912	-.0396674	-.1301933	-.0359068	-.0784779
1.700	.0428569	-.3189405	-.0564544	-.1229221	-.0506418	-.0727628
1.800	.0197162	-.3005499	-.0705299	-.1093232	-.0622719	-.0609520
1.900	.0024288	-.2783880	-.0791021	-.0919205	-.0683164	-.0457687
2.000	-.0078635	-.2553759	-.0812825	-.0740848	-.0681971	-.0303816

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(d) M = 1.5 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499670	−.0035998	.1999717	−.0029998	.1666419	−.0025712
.010	.2498680	−.0071981	.1998869	−.0059984	.1665677	−.0051414
.015	.2497031	−.0107938	.1997455	−.0089945	.1664440	−.0077094
.020	.2494723	−.0143852	.1995477	−.0119870	.1662709	−.0102742
.025	.2491758	−.0179711	.1992936	−.0149747	.1660486	−.0128847
.030	.2488137	−.0215501	.1989832	−.0179565	.1657770	−.0153897
.035	.2483862	−.0251207	.1986168	−.0209306	.1654564	−.0179385
.040	.2478934	−.0286817	.1981945	−.0238965	.1650870	−.0204794
.045	.2473356	−.0322317	.1977165	−.0268527	.1646688	−.0230119
.050	.2467131	−.0357692	.1971831	−.0297981	.1642022	−.0255348
.055	.2460262	−.0392930	.1965945	−.0327314	.1636875	−.0280470
.060	.2452752	−.0428017	.1959510	−.0356515	.1631244	−.0305474
.065	.2444605	−.0462939	.1952530	−.0385572	.1625139	−.0330350
.070	.2435824	−.0497683	.1945008	−.0414474	.1618560	−.0355088
.075	.2426413	−.0532237	.1936947	−.0443208	.1611510	−.0379678
.080	.2416378	−.0566586	.1928351	−.0471765	.1603993	−.0404109
.085	.2405723	−.0600719	.1919226	−.0500131	.1596013	−.0428372
.090	.2394453	−.0634621	.1909575	−.0528297	.1587573	−.0452456
.095	.2382573	−.0668281	.1899402	−.0556250	.1578681	−.0476352
.100	.2370090	−.0701686	.1888714	−.0583980	.1569338	−.0500049
.105	.2357008	−.0734822	.1877515	−.0611476	.1559549	−.0523539
.110	.2343334	−.0767679	.1865811	−.0638727	.1549319	−.0546811
.115	.2329075	−.0800243	.1853608	−.0665723	.1538654	−.0569856
.120	.2314238	−.0832504	.1840911	−.0692453	.1527559	−.0592666
.125	.2298829	−.0864447	.1827728	−.0718907	.1516040	−.0615230
.130	.2282856	−.0896063	.1814063	−.0745074	.1504103	−.0637539
.135	.2266326	−.0927340	.1799925	−.0770945	.1491755	−.0659586
.140	.2249247	−.0958266	.1785319	−.0796509	.1478996	−.0681361
.145	.2231627	−.0988830	.1770254	−.0821758	.1465840	−.0702855
.150	.2213475	−.1019021	.1754736	−.0846681	.1452291	−.0724061
.160	.2175608	−.1078243	.1722373	−.0895514	.1424040	−.0765574
.170	.2135716	−.1135847	.1688294	−.0942955	.1394300	−.0805584
.180	.2093874	−.1191775	.1652565	−.0988876	.1363131	−.0844782
.190	.2050160	−.1245886	.1615255	−.1033270	.1330596	−.0882359
.200	.2004657	−.1298172	.1576436	−.1076055	.1296758	−.0918510
.225	.1883628	−.1420367	.1473286	−.1175597	.1206915	−.1002318
.250	.1753342	−.1529644	.1362417	−.1265900	.1110462	−.1076185
.275	.1615286	−.1625214	.1245142	−.1340296	.1008585	−.1139525
.300	.1471017	−.1706464	.1122856	−.1404274	.0902506	−.1191911
.325	.1322141	−.1772971	.0996913	−.1455492	.0793494	−.1233056
.350	.1170289	−.1824497	.0868810	−.1495574	.0682828	−.1262826
.400	.0864173	−.1882604	.0611774	−.1551672	.0461618	−.1284475
.450	.0565380	−.1882614	.0362828	−.1519877	.0248723	−.1270768
.500	.0285611	−.1829131	.0132125	−.1462749	.0055095	−.1213820
.550	.0054971	−.1729166	−.0071672	−.1366758	−.0117707	−.1123615
.600	−.0178342	−.1591656	−.0241826	−.1240056	−.0257893	−.1007593
.650	−.0349582	−.1426869	−.0373896	−.1091852	−.0363721	−.0874115
.700	−.0474651	−.1245756	−.0465589	−.0951926	−.0433624	−.0732108
.750	−.0554125	−.1059290	−.0517366	−.0770021	−.0462203	−.0590135
.800	−.0590116	−.0877827	−.0531704	−.0615173	−.0470078	−.0456253
.850	−.0587184	−.0710531	−.0513107	−.0479281	−.0443620	−.0333369
.900	−.0551724	−.0564906	−.0467664	−.0356670	−.0394580	−.0238802
.950	−.0491456	−.0446447	−.0402568	−.0263798	−.0329647	−.0164533
1.000	−.0414867	−.0358446	−.0325598	−.0199093	−.0255984	−.0116072
1.100	−.0246990	−.0275781	−.0166892	−.0153756	−.0110248	−.0094866
1.200	−.0109849	−.0300771	−.0046031	−.0201933	−.0005842	−.0155250
1.300	−.0045175	−.0392846	.0002127	−.0303603	.0027849	−.0258597
1.400	−.0067086	−.0500029	−.0031356	−.0410699	−.0014318	−.0360194
1.500	−.0162543	−.0577963	−.0130699	−.0480955	−.0114940	−.0422017
1.600	−.0298891	−.0589896	−.0263038	−.0488597	−.0241673	−.0422323
1.700	−.0435722	−.0533733	−.0389806	−.0429310	−.0358102	−.0359733
1.800	−.0537341	−.0420968	−.0478350	−.0318694	−.0454541	−.0251192
1.900	−.0582352	−.0279892	−.0510550	−.0185317	−.0455765	−.0124994
2.000	−.0567981	−.0143452	−.0486189	−.0060876	−.0423764	−.0011302

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(d) M = 1.5 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428552	-.0022498	.1249802	-.0019999	.1110931	-.0017999
.010	.1427692	-.0044987	.1249208	-.0039988	.1110391	-.0035989
.015	.1426592	-.0067456	.1248219	-.0059960	.1109492	-.0053964
.020	.1425054	-.0089896	.1246834	-.0079906	.1108235	-.0071914
.025	.1423077	-.0112298	.1245055	-.0099816	.1106616	-.0089831
.030	.1420664	-.0134650	.1242885	-.0119682	.1104642	-.0107709
.035	.1417814	-.0156945	.1240319	-.0139496	.1102311	-.0125538
.040	.1414551	-.0179172	.1237364	-.0159247	.1099624	-.0143310
.045	.1410814	-.0201322	.1234019	-.0178929	.1096584	-.0161018
.050	.1406667	-.0223385	.1230288	-.0198532	.1093192	-.0178654
.055	.1402091	-.0245351	.1226170	-.0218047	.1089449	-.0196210
.060	.1397089	-.0267212	.1221669	-.0237466	.1085359	-.0213677
.065	.1391664	-.0288958	.1216788	-.0256781	.1080922	-.0231049
.070	.1385818	-.0310580	.1211528	-.0275982	.1076141	-.0248317
.075	.1379554	-.0332068	.1205892	-.0295062	.1071019	-.0265474
.080	.1372875	-.0353414	.1199884	-.0314013	.1065559	-.0282513
.085	.1365786	-.0374608	.1193506	-.0332826	.1059763	-.0299425
.090	.1358290	-.0395641	.1186763	-.0351493	.1053636	-.0316203
.095	.1350390	-.0416504	.1179657	-.0370006	.1047179	-.0332840
.100	.1342090	-.0437190	.1172192	-.0388357	.1040396	-.0349328
.105	.1333396	-.0457688	.1164373	-.0406538	.1033292	-.0365662
.110	.1324311	-.0477991	.1156203	-.0424541	.1025869	-.0381832
.115	.1314841	-.0498090	.1147686	-.0442359	.1018132	-.0397832
.120	.1304990	-.0517977	.1138828	-.0459984	.1010086	-.0413656
.125	.1294765	-.0537643	.1129633	-.0477409	.1001733	-.0429297
.130	.1284165	-.0557081	.1120105	-.0494627	.0993080	-.0444747
.135	.1273202	-.0576282	.1110251	-.0511650	.0984130	-.0460001
.140	.1261880	-.0595239	.1100075	-.0528410	.0974888	-.0475052
.145	.1250205	-.0613944	.1089580	-.0544963	.0965359	-.0489893
.150	.1238182	-.0632390	.1078773	-.0561279	.0955548	-.0504518
.160	.1213118	-.0668473	.1056253	-.0593179	.0935102	-.0533097
.170	.1186741	-.0703431	.1032557	-.0624058	.0913593	-.0560742
.180	.1159104	-.0737211	.1007735	-.0653867	.0891067	-.0587408
.190	.1130264	-.0769780	.0981859	-.0682559	.0867571	-.0613052
.200	.1100279	-.0801029	.0954922	-.0710091	.0843155	-.0637654
.225	.1020714	-.0875308	.0883557	-.0775577	.0778430	-.0694203
.250	.0935385	-.0936675	.0807045	-.0828986	.0709125	-.0743588
.275	.0845360	-.0990614	.0726420	-.0875884	.0636134	-.0784782
.300	.0751749	-.1034755	.0642677	-.0913878	.0560393	-.0818087
.325	.0655695	-.1068854	.0556859	-.0942822	.0482858	-.0843122
.350	.0558553	-.1092809	.0470015	-.0962616	.0404494	-.0859825
.400	.0364381	-.1110569	.0297417	-.0975075	.0249094	-.0868561
.450	.0178678	-.1089919	.0132904	-.0953052	.0101551	-.0846076
.500	.0009237	-.1034750	-.0016505	-.0900235	-.0031621	-.0795808
.550	-.0137241	-.0950556	-.0144209	-.0821784	-.0144928	-.0722597
.600	-.0255706	-.0844245	-.0246654	-.0724036	-.0234590	-.0632336
.650	-.0342986	-.0723478	-.0319954	-.0614059	-.0297629	-.0531565
.700	-.0397908	-.0596263	-.0364185	-.0499186	-.0333978	-.0427041
.750	-.0421273	-.0470434	-.0379953	-.0386545	-.0344442	-.0325299
.800	-.0415709	-.0353170	-.0369854	-.0282624	-.0331559	-.0232248
.850	-.0385417	-.0250582	-.0337905	-.0192888	-.0299163	-.0152820
.900	-.0335817	-.0167580	-.0289212	-.0121481	-.0252071	-.0090698
.950	-.0273133	-.0106653	-.0229579	-.0071026	-.0195707	-.0048138
1.000	-.0203942	-.0069753	-.0165088	-.0042537	-.0135717	-.0025894
1.100	-.0071414	-.0064385	-.0044727	-.0047708	-.0026180	-.0038150
1.200	.0018439	-.0130700	.0052811	-.0116848	.0041090	-.0107028
1.300	.0040561	-.0231748	.0045974	-.0213259	.0047392	-.0199068
1.400	-.0007892	-.0325994	-.0005509	-.0299853	-.0006000	-.0278318
1.500	-.0107140	-.0379152	-.0102973	-.0345044	-.0100355	-.0316578
1.600	-.0227270	-.0372852	-.0216158	-.0333273	-.0206621	-.0300533
1.700	-.0333978	-.0307897	-.0312954	-.0267095	-.0294777	-.0234033
1.800	-.0399132	-.0202077	-.0368980	-.0164605	-.0342600	-.0135282
1.900	-.0411235	-.0083034	-.0373671	-.0052635	-.0341368	-.0030149
2.000	-.0373582	+.0020718	-.0332048	+.0041968	-.0297117	.0056127

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(a) $M = 1.5$ - Concluded

k	$\left(f_9\right)_R$	$\left(f_9\right)_I$	$\left(f_{10}\right)_R$	$\left(f_{10}\right)_I$	$\left(f_{11}\right)_R$	$\left(f_{11}\right)_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999835	−.0016362	.0908939	−.0014999	.083193	−.0013845
.010	.0999340	−.0032717	.0908482	−.0029991	.0832768	−.0027684
.015	.0998516	−.0049057	.0907721	−.0044969	.0852061	−.0041509
.020	.0997362	−.0065375	.0906656	−.0059926	.0831072	−.0055316
.025	.0995880	−.0081663	.0905288	−.0074855	.0829802	−.0069096
.030	.0994070	−.0097913	.0903617	−.0089750	.0828250	−.0082844
.035	.0991933	−.0114119	.0901645	−.0104604	.0826419	−.0096655
.040	.0989471	−.0130272	.0899372	−.0119409	.0824309	−.0110217
.045	.0986684	−.0146367	.0896800	−.0134159	.0821921	−.0123850
.050	.0983575	−.0162394	.0893930	−.0148846	.0819256	−.0137385
.055	.0980145	−.0178347	.0890764	−.0163466	.0816317	−.0150876
.060	.0976395	−.0194220	.0887304	−.0178009	.0813104	−.0164296
.065	.0972329	−.0210003	.0883551	−.0192471	.0809619	−.0177640
.070	.0967948	−.0225692	.0879507	−.0206844	.0805865	−.0190900
.075	.0963254	−.0241277	.0875173	−.0221121	.0801843	−.0204072
.080	.0958250	−.0256753	.0870558	−.0235297	.0797557	−.0217150
.085	.0952939	−.0272113	.0865657	−.0249365	.0793007	−.0230126
.090	.0947324	−.0287349	.0860475	−.0263318	.0788196	−.0242995
.095	.0941408	−.0302455	.0855016	−.0277150	.0783129	−.0255751
.100	.0935193	−.0317423	.0849281	−.0290855	.0777806	−.0268389
.105	.0928684	−.0332249	.0843276	−.0304427	.0772231	−.0280902
.110	.0921884	−.0346924	.0837001	−.0317860	.0766407	−.0293286
.115	.0914796	−.0361442	.0830462	−.0331147	.0760338	−.0305554
.120	.0907425	−.0375798	.0823662	−.0344283	.0754027	−.0317840
.125	.0899774	−.0389984	.0816604	−.0357261	.0747476	−.0329601
.130	.0891848	−.0403995	.0809292	−.0370078	.0740691	−.0341409
.135	.0883650	−.0417825	.0801731	−.0382725	.0733674	−.0353060
.140	.0875186	−.0431467	.0793924	−.0395199	.0726430	−.0364550
.145	.0866460	−.0444916	.0785876	−.0407494	.0718962	−.0375872
.150	.0857476	−.0458166	.0777591	−.0419604	.0711275	−.0387022
.160	.0838756	−.0484047	.0760328	−.0443250	.0695259	−.0408786
.170	.0819065	−.0509067	.0742173	−.0466096	.0678418	−.0429805
.180	.0798447	−.0533184	.0723165	−.0488106	.0660788	−.0450043
.190	.0776945	−.0556359	.0703347	−.0509242	.0642409	−.0469468
.200	.0754606	−.0578556	.0682759	−.0529471	.0623319	−.0488047
.225	.0695409	−.0629546	.0628223	−.0575871	.0572765	−.0530605
.250	.0632061	−.0673738	.0569893	−.0615971	.0518720	−.0567295
.275	.0565392	−.0710759	.0508544	−.0649432	.0461907	−.0597803
.300	.0496267	−.0740543	.0444978	−.0676010	.0403077	−.0621906
.325	.0425570	−.0762350	.0380019	−.0695562	.0343002	−.0639476
.350	.0354193	−.0776669	.0314496	−.0708048	.0282453	−.0650480
.400	.0212919	−.0782743	.0185025	−.0712167	.0162985	−.0655136
.450	.0079205	−.0760285	.0062828	−.0690021	.0050509	−.0631467
.500	−.0040916	−.0712542	−.0046522	−.0644692	−.0049798	−.0588400
.550	−.0142485	−.0644060	−.0138467	−.0580456	−.0133723	−.0527973
.600	−.0221888	−.0560341	−.0209717	−.0502472	−.0198847	−.0455041
.650	−.0277032	−.0467469	−.0258407	−.0416427	−.0241699	−.0374939
.700	−.0307412	−.0371706	−.0284164	−.0328151	−.0263804	−.0293120
.750	−.0314081	−.0279079	−.0288063	−.0243235	−.0265650	−.0214796
.800	−.0299506	−.0195008	−.0272498	−.0166680	−.0249551	−.0144605
.850	−.0267347	−.0123980	−.0240959	−.0102594	−.0218840	−.0086333
.900	−.0222151	−.0069296	−.0197748	−.0055965	−.0177550	−.0042697
.950	−.0169006	−.0032917	−.0147631	−.0022505	−.0130332	−.0015215
1.000	−.0113170	−.0015397	−.0095585	−.0008617	−.0081663	−.0004162
1.100	−.0013127	−.0032435	−.0003852	−.0028877	.0002850	−.0026566
1.200	.0045807	−.0100355	.0047787	−.0095164	.0048908	−.0090861
1.300	.0046671	−.0187358	.0044855	−.0177250	.0042320	−.0168287
1.400	−.0007501	−.0259888	−.0009332	−.0243753	−.0011163	−.0229377
1.500	−.0098329	−.0292201	−.0096471	−.0271006	−.0094611	−.0252395
1.600	−.0198000	−.0272893	−.0189970	−.0249264	−.0182403	−.0228875
1.700	−.0278378	−.0206781	−.0265423	−.0184042	−.0249717	−.0164886
1.800	−.0319206	−.0111967	−.0298310	−.0093211	−.0279562	−.0077978
1.900	−.0313295	−.0013320	−.0288734	−.0000630	−.0267137	+.0008985
2.000	−.0267447	+.0065451	−.0242065	+.0071419	−.0220219	+.0075034

     a

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(e) M = 1.6

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999464	−.0082048	.4999598	−.0054699	.3333011	−.0041024
.010	.9997854	−.0164079	.4998591	−.0109388	.3332046	−.0082036
.015	.9995173	−.0246075	.4996980	−.0164039	.3330437	−.0123024
.020	.9991420	−.0328018	.4993565	−.0218654	.3328186	−.0163978
.025	.9986596	−.0409892	.4989948	−.0273212	.3325292	−.0204885
.030	.9980704	−.0491677	.4985529	−.0327791	.3321758	−.0245734
.035	.9973744	−.0573358	.4980311	−.0382105	.3317584	−.0286512
.040	.9965720	−.0654917	.4974294	−.0436412	.3312772	−.0327210
.045	.9956633	−.0736336	.4967482	−.0490607	.3307323	−.0367814
.050	.9946485	−.0817598	.4959875	−.0544677	.3301240	−.0408314
.055	.9935282	−.0898686	.4951478	−.0598607	.3294525	−.0448697
.060	.9923024	−.0979582	.4942291	−.0652385	.3287180	−.0488954
.065	.9909717	−.1060271	.4932320	−.0705995	.3279207	−.0529071
.070	.9895364	−.1140734	.4921566	−.0759426	.3270611	−.0569038
.075	.9879970	−.1220954	.4910034	−.0812663	.3261393	−.0608844
.080	.9863539	−.1300915	.4897727	−.0865693	.3251557	−.0648478
.085	.9846075	−.1380600	.4884650	−.0918502	.3241106	−.0687928
.090	.9827585	−.1459995	.4870806	−.0971077	.3230045	−.0727183
.095	.9808074	−.1539076	.4856201	−.1023405	.3218377	−.0766233
.100	.9787548	−.1617834	.4840839	−.1075474	.3206106	−.0805066
.105	.9766012	−.1696250	.4824726	−.1127269	.3193237	−.0843672
.110	.9743474	−.1774308	.4807866	−.1178778	.3179775	−.0882040
.115	.9719940	−.1851991	.4790265	−.1229989	.3165723	−.0920159
.120	.9695416	−.1929285	.4771950	−.1280888	.3151088	−.0958020
.125	.9669911	−.2006172	.4752866	−.1331463	.3135873	−.0995611
.130	.9643432	−.2082638	.4733080	−.1381702	.3120086	−.1032922
.135	.9615987	−.2158667	.4712578	−.1431593	.3103731	−.1069944
.140	.9587584	−.2234244	.4691367	−.1481123	.3086814	−.1106666
.145	.9558231	−.2309355	.4669455	−.1530280	.3069341	−.1143078
.150	.9527937	−.2383980	.4646845	−.1579052	.3051319	−.1179170
.160	.9464508	−.2531727	.4599574	−.1675397	.3013690	−.1250358
.170	.9397536	−.2677369	.4549616	−.1770065	.2973862	−.1320154
.180	.9326956	−.2820791	.4497037	−.1862968	.2932010	−.1388484
.190	.9252845	−.2961886	.4441906	−.1954019	.2888152	−.1455277
.200	.9175351	−.3100544	.4384294	−.2043134	.2842352	−.1520465
.225	.8967830	−.3435867	.4229912	−.2256932	.2719775	−.1675989
.250	.8740124	−.3753822	.4061755	−.2456966	.2586526	−.1820123
.275	.8495367	−.4055052	.3831173	−.2642196	.2443753	−.1952030
.300	.8234799	−.4332365	.3689602	−.2811722	.2292678	−.2070992
.325	.7960253	−.4590743	.3488547	−.2964792	.2134578	−.2176421
.350	.7673650	−.4827350	.3279571	−.3100807	.1970773	−.2267862
.400	.7072007	−.5232877	.2844269	−.3320066	.1631478	−.2407659
.450	.6445859	−.5545892	.2396654	−.3467882	.1285685	−.2489419
.500	.5811044	−.5766598	.1949507	−.3545159	.0944068	−.2514460
.550	.5182757	−.5897923	.1514933	−.3555198	.0616637	−.2486065
.600	.4574991	−.5945485	.1103900	−.3503468	.0312344	−.2409366
.650	.4000062	−.5917194	.0725841	−.3397291	.0038740	−.2291032
.700	.3468228	−.5822848	.0388847	−.3243454	−.0198284	−.2138920
.750	.2987407	−.5673617	.0096943	−.3057771	−.0394673	−.1961681
.800	.2563016	−.5481527	−.0145029	−.2844616	−.0548298	−.1768841
.850	.2197920	−.5258919	−.0336421	−.2616455	−.0658945	−.1567880
.900	.1892499	−.5017920	−.0478192	−.2383573	−.0728216	−.1368859
.950	.1644822	−.4769959	−.0573230	−.2154688	−.0759351	−.1178952
1.000	.1450914	−.4525337	−.0626088	−.1938565	−.0756977	−.1004845
1.100	.1200406	−.4079654	−.0629801	−.1569333	−.0675270	−.0725581
1.200	.1082609	−.3729711	−.0545701	−.1309449	−.0535540	−.0548812
1.300	.1032399	−.3493750	−.0433009	−.1165192	−.0390219	−.0479677
1.400	.0990978	−.3361992	−.0342320	−.1118846	−.0282611	−.0494401
1.500	.0915870	−.3503854	−.0307255	−.1135249	−.0238836	−.0557692
1.600	.0786220	−.3278850	−.0340570	−.1173640	−.0265500	−.0629992
1.700	.0602924	−.3246793	−.0435028	−.1195538	−.0351134	−.0676469
1.800	.0384203	−.3176982	−.0568828	−.1173651	−.0471343	−.0675914
1.900	.0158145	−.3053899	−.0710569	−.1096013	−.0596099	−.0614279
2.000	−.0045793	−.2878886	−.0832359	−.0966659	−.0697357	−.0504455

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(a) M = 1.6 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499752	−.0032819	.1999770	−.0027849	.1666466	−.0023442
.010	.2498927	−.0065628	.1999080	−.0054689	.1665862	−.0046876
.015	.2497586	−.0098416	.1997931	−.0082012	.1664857	−.0070295
.020	.2495710	−.0131175	.1996323	−.0109308	.1663449	−.0093690
.025	.2493299	−.0163894	.1994257	−.0136570	.1661641	−.0117054
.030	.2490354	−.0196565	.1991732	−.0163787	.1659433	−.0140379
.035	.2486876	−.0229172	.1988752	−.0190953	.1656825	−.0163658
.040	.2482867	−.0261711	.1985315	−.0218057	.1653818	−.0186882
.045	.2478327	−.0294170	.1981425	−.0245091	.1650415	−.0210045
.050	.2473260	−.0326540	.1977082	−.0272047	.1646616	−.0233137
.055	.2467665	−.0358810	.1972289	−.0298916	.1642422	−.0256153
.060	.2461547	−.0390971	.1967046	−.0325690	.1637836	−.0279083
.065	.2454907	−.0423014	.1961356	−.0352360	.1632859	−.0301921
.070	.2447747	−.0454927	.1955222	−.0378917	.1627493	−.0324659
.075	.2440070	−.0486703	.1948645	−.0405353	.1621740	−.0347290
.080	.2431879	−.0518330	.1941628	−.0431660	.1615603	−.0369806
.085	.2423177	−.0549801	.1934174	−.0457829	.1609085	−.0392200
.090	.2413968	−.0581104	.1926286	−.0483853	.1602187	−.0414464
.095	.2404255	−.0612232	.1917967	−.0509722	.1594912	−.0436591
.100	.2394041	−.0643174	.1909220	−.0535430	.1587264	−.0458574
.105	.2383330	−.0673922	.1900049	−.0560967	.1579245	−.0480407
.110	.2372127	−.0704466	.1890457	−.0586327	.1570859	−.0502081
.115	.2360436	−.0734797	.1880447	−.0611500	.1562110	−.0523589
.120	.2348260	−.0764906	.1870024	−.0636479	.1552999	−.0544926
.125	.2335604	−.0794785	.1859192	−.0661258	.1543532	−.0566084
.130	.2322474	−.0824425	.1847955	−.0685827	.1533711	−.0587056
.135	.2308874	−.0853816	.1836317	−.0710179	.1523542	−.0607836
.140	.2294809	−.0882951	.1824285	−.0734307	.1513027	−.0628417
.145	.2280284	−.0911821	.1811857	−.0758204	.1502171	−.0648792
.150	.2265305	−.0940418	.1799045	−.0781862	.1490979	−.0668956
.160	.2234007	−.0996759	.1772279	−.0828433	.1467602	−.0708622
.170	.2200961	−.1051910	.1744028	−.0873965	.1442954	−.0747366
.180	.2166216	−.1105809	.1714334	−.0918404	.1417013	−.0785140
.190	.2129823	−.1158394	.1683243	−.0961698	.1389880	−.0821899
.200	.2091836	−.1209610	.1650803	−.1003796	.1361578	−.0857597
.225	.1990267	−.1331294	.1564127	−.1103502	.1286005	−.0941933
.250	.1880020	−.1443269	.1470156	−.1194750	.1204148	−.1018780
.275	.1762094	−.1544837	.1369774	−.1276942	.1116799	−.1087612
.300	.1637551	−.1635403	.1263919	−.1349573	.1024800	−.1147994
.325	.1507500	−.1714489	.1153570	−.1412243	.0929026	−.1199581
.350	.1373086	−.1781734	.1039758	−.1464653	.0830382	−.1242123
.400	.1095858	−.1879850	.0805744	−.1538047	.0628157	−.1299559
.450	.0815242	−.1929264	.0570180	−.1569526	.0425466	−.1320243
.500	.0540397	−.1931385	.0341032	−.1560547	.0229392	−.1305625
.550	.0279826	−.1889396	.0125684	−.1514133	.0046449	−.1258564
.600	.0041052	−.1808057	−.0069398	−.1434692	−.0117707	−.1183145
.650	−.0166680	−.1695438	−.0238920	−.1327768	−.0258502	−.1084457
.700	−.0347651	−.1552598	−.0378964	−.1199743	−.0372622	−.0968312
.750	−.0489713	−.1393225	−.0487105	−.1057514	−.0458120	−.0840950
.800	−.0594550	−.1223261	−.0562461	−.0908148	−.0514447	−.0708721
.850	−.0662461	−.1050526	−.0605664	−.0758541	−.0542419	−.0577779
.900	−.0695354	−.0882364	−.0618752	−.0615105	−.0544115	−.0453791
.950	−.0696551	−.0725326	−.0605005	−.0484682	−.0522712	−.0341688
1.000	−.0670549	−.0584905	−.0568714	−.0368311	−.0482271	−.0245451
1.100	−.0559081	−.0369456	−.0449106	−.0199905	−.0363426	−.0110947
1.200	−.0408955	−.0252980	−.0303892	−.0122110	−.0227856	−.0059116
1.300	−.0266994	−.0230526	−.0174671	−.0127185	−.0112893	−.0080669
1.400	−.0169839	−.0278126	−.0093027	−.0191384	−.0045859	−.0152134
1.500	−.0137942	−.0361937	−.0074942	−.0281799	−.0039358	−.0242380
1.600	−.0173515	−.0444883	−.0119547	−.0364413	−.0090375	−.0320137
1.700	−.0262506	−.0495837	−.0211338	−.0411563	−.0182687	−.0360815
1.800	−.0379813	−.0495465	−.0325344	−.0407263	−.0291928	−.0351222
1.900	−.0496295	−.0439030	−.0453816	−.0349423	−.0391946	−.0291504
2.000	−.0585878	−.0335674	−.0512841	−.0248747	−.0460947	−.0192789

TABLE I.- VALUES OF $r_\lambda(M,\bar\omega) = (r_\lambda)_R + i(r_\lambda)_I$ - Continued

(e) M = 1.6 - Continued

k	$(r_6)_R$	$(r_6)_I$	$(r_7)_R$	$(r_7)_I$	$(r_8)_R$	$(r_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428595	−.0020512	.1249859	−.0018233	.1110965	−.0016409
.010	.1427856	−.0041016	.1249356	−.0036459	.1110526	−.0032813
.015	.1426962	−.0061507	.1248552	−.0054672	.1109795	−.0049204
.020	.1425712	−.0081977	.1247426	−.0072867	.1108771	−.0065579
.025	.1424105	−.0102418	.1245980	−.0091035	.1107456	−.0081930
.030	.1422141	−.0122825	.1244213	−.0109173	.1105850	−.0098251
.035	.1419823	−.0143190	.1242127	−.0127272	.1103954	−.0114538
.040	.1417151	−.0163505	.1239722	−.0145326	.1101768	−.0130784
.045	.1414126	−.0183765	.1237000	−.0163330	.1099294	−.0146984
.050	.1410750	−.0203963	.1233961	−.0181277	.1096531	−.0163131
.055	.1407023	−.0224091	.1230607	−.0199160	.1093485	−.0179221
.060	.1402947	−.0244142	.1226940	−.0216975	.1090149	−.0195247
.065	.1398524	−.0264110	.1222960	−.0234713	.1086531	−.0211203
.070	.1393755	−.0283989	.1218669	−.0252370	.1082632	−.0227085
.075	.1388644	−.0303770	.1214070	−.0269939	.1078451	−.0242886
.080	.1383191	−.0323449	.1209164	−.0287414	.1073993	−.0258601
.085	.1377399	−.0343017	.1203953	−.0304789	.1069257	−.0274224
.090	.1371270	−.0362469	.1198439	−.0322059	.1064246	−.0289751
.095	.1364807	−.0381798	.1192625	−.0339216	.1058962	−.0305173
.100	.1358013	−.0400997	.1186513	−.0356256	.1053408	−.0320491
.105	.1350890	−.0420060	.1180106	−.0373172	.1047586	−.0335694
.110	.1343441	−.0438981	.1173406	−.0389959	.1041498	−.0350778
.115	.1335669	−.0457754	.1166416	−.0406611	.1035147	−.0365739
.120	.1327578	−.0476372	.1159139	−.0423122	.1028536	−.0380571
.125	.1319170	−.0494828	.1151578	−.0439488	.1021667	−.0395269
.130	.1310450	−.0513118	.1143736	−.0455701	.1014543	−.0409828
.135	.1301420	−.0531235	.1135617	−.0471757	.1007167	−.0424243
.140	.1292085	−.0549173	.1127223	−.0487651	.0999543	−.0438510
.145	.1282447	−.0566926	.1118559	−.0503378	.0991673	−.0452622
.150	.1272512	−.0584489	.1109627	−.0518931	.0983561	−.0466577
.160	.1251764	−.0619021	.1090977	−.0549498	.0966625	−.0493991
.170	.1229874	−.0652724	.1071304	−.0579312	.0948762	−.0520717
.180	.1206877	−.0685556	.1050641	−.0608336	.0930002	−.0546719
.190	.1182811	−.0717473	.1029020	−.0636552	.0910377	−.0571962
.200	.1157715	−.0748442	.1006479	−.0663863	.0889920	−.0596415
.225	.1090754	−.0821453	.0946841	−.0728193	.0835361	−.0653887
.250	.1018258	−.0887742	.0881294	−.0786429	.0777680	−.0705786
.275	.0940946	−.0946846	.0811995	−.0838154	.0713583	−.0751732
.300	.0859621	−.0998381	.0739159	−.0883024	.0647609	−.0791417
.325	.0775054	−.1042045	.0663451	−.0920774	.0579125	−.0824601
.350	.0688063	−.1077624	.0585675	−.0951217	.0508815	−.0851121
.400	.0510124	−.1124113	.0426884	−.0989789	.0364594	−.0883879
.450	.0332420	−.1137899	.0268785	−.0999017	.0223165	−.0889871
.500	.0161311	−.1120405	.0117139	−.0980133	.0087098	−.0870431
.550	.0002615	−.1074327	−.0022791	−.0935750	−.0037913	−.0827961
.600	−.0138646	−.1003464	−.0146500	−.0869554	−.0147784	−.0765781
.650	−.0258459	−.0912509	−.0250421	−.0785355	−.0235810	−.0687342
.700	−.0355974	−.0806792	−.0335204	−.0688646	−.0310289	−.0599001
.750	−.0423592	−.0692000	−.0390098	−.0584451	−.0359600	−.0503781
.800	−.0466998	−.0573892	−.0424374	−.0478030	−.0387210	−.0407119
.850	−.0485118	−.0458011	−.0435878	−.0374419	−.0394138	−.0313628
.900	−.0480018	−.0349424	−.0426636	−.0278192	−.0382355	−.0227466
.950	−.0454747	−.0253491	−.0399563	−.0193245	−.0354643	−.0152149
1.000	−.0413138	−.0170680	−.0358273	−.0122653	−.0314411	−.0090396
1.100	−.0298720	−.0061098	−.0249651	−.0051776	−.0211915	−.0013899
1.200	−.0173782	−.0027049	−.0134946	−.0010156	−.0106551	−.0001128
1.300	−.0072054	−.0058345	−.0044781	−.0047103	−.0026288	−.0041197
1.400	−.0017378	−.0152130	−.0000189	−.0120545	+.0010167	−.0112887
1.500	−.0019748	−.0219086	−.0009113	−.0202909	−.0003514	−.0190266
1.600	−.0074661	−.0290459	−.0068024	−.0267709	−.0061101	−.0248865
1.700	−.0165847	−.0324330	−.0154503	−.0295318	−.0146412	−.0271021
1.800	−.0269195	−.0309804	−.0252008	−.0276726	−.0237912	−.0249276
1.900	−.0360782	−.0248574	−.0355593	−.0214592	−.0314136	−.0187160
2.000	−.0420589	−.0152381	−.0387229	−.0121569	−.0358653	−.0097430

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(e) M = 1.6 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999866	−.0014918	.0908968	−.0013674	.0833219	−.0012623
.010	.0999464	−.0029830	.0908596	−.0027344	.0832874	−.0025240
.015	.0998795	−.0044751	.0907977	−.0041003	.0832299	−.0037849
.020	.0997855	−.0059616	.0907111	−.0054647	.0831495	−.0050443
.025	.0996650	−.0074480	.0905999	−.0068272	.0830462	−.0063019
.030	.0995178	−.0089317	.0904640	−.0081871	.0829200	−.0075572
.035	.0993440	−.0104121	.0903035	−.0095441	.0827710	−.0088096
.040	.0991436	−.0118888	.0901186	−.0108975	.0825993	−.0100588
.045	.0989168	−.0133612	.0899092	−.0122470	.0824049	−.0113043
.050	.0986636	−.0148288	.0896755	−.0135920	.0821879	−.0125456
.055	.0983841	−.0162910	.0894176	−.0149320	.0819484	−.0137823
.060	.0980786	−.0177474	.0891356	−.0162666	.0816866	−.0150138
.065	.0977470	−.0191973	.0888296	−.0175952	.0814025	−.0162399
.070	.0973896	−.0206404	.0884997	−.0189174	.0810962	−.0174599
.075	.0970065	−.0220760	.0881461	−.0202327	.0807679	−.0186735
.080	.0965979	−.0235037	.0877690	−.0215407	.0804178	−.0198802
.085	.0961639	−.0249229	.0873684	−.0228408	.0800459	−.0210796
.090	.0957047	−.0263331	.0869447	−.0241326	.0796525	−.0222713
.095	.0952205	−.0277340	.0864979	−.0254156	.0792377	−.0234547
.100	.0947116	−.0291248	.0860282	−.0266893	.0788017	−.0246296
.105	.0941781	−.0305052	.0855360	−.0279534	.0783448	−.0257954
.110	.0936203	−.0318747	.0850212	−.0292075	.0778670	−.0269517
.115	.0930384	−.0332328	.0844843	−.0304507	.0773686	−.0280981
.120	.0924326	−.0345790	.0839254	−.0316830	.0768498	−.0292343
.125	.0918033	−.0359128	.0833448	−.0329038	.0763109	−.0303597
.130	.0911507	−.0372338	.0827427	−.0341127	.0757521	−.0314741
.135	.0904750	−.0385416	.0821194	−.0353094	.0751735	−.0325769
.140	.0897766	−.0398356	.0814751	−.0364932	.0745756	−.0336679
.145	.0890558	−.0411154	.0808101	−.0376639	.0739585	−.0347466
.150	.0883128	−.0423806	.0801248	−.0388211	.0733225	−.0358126
.160	.0867617	−.0448655	.0786941	−.0410932	.0719950	−.0379053
.170	.0851260	−.0472869	.0771856	−.0433063	.0705952	−.0399430
.180	.0834083	−.0496415	.0756017	−.0454574	.0691258	−.0419229
.190	.0816117	−.0519261	.0739452	−.0475437	.0675891	−.0438424
.200	.0797392	−.0541379	.0722189	−.0495624	.0659879	−.0456988
.225	.0747468	−.0593302	.0676175	−.0542965	.0617209	−.0500483
.250	.0693522	−.0640088	.0626674	−.0585544	.0571155	−.0539542
.275	.0636115	−.0681394	.0573610	−.0623045	.0522149	−.0573869
.300	.0575842	−.0716937	.0518134	−.0655208	.0470767	−.0603225
.325	.0513318	−.0746501	.0460621	−.0681857	.0417526	−.0627430
.350	.0449176	−.0769939	.0401660	−.0702799	.0362976	−.0646364
.400	.0318607	−.0798197	.0281778	−.0727517	.0252177	−.0668241
.450	.0189227	−.0801923	.0165217	−.0729600	.0142785	−.0669109
.500	.0065896	−.0782407	.0050480	−.0710286	.0038994	−.0650159
.550	−.0046990	−.0741919	−.0052371	−.0671750	−.0055423	−.0613440
.600	−.0145698	−.0683580	−.0141901	−.0616873	−.0137286	−.0561750
.650	−.0227322	−.0611176	−.0215456	−.0549268	−.0204152	−.0498577
.700	−.0289896	−.0528954	−.0271265	−.0472890	−.0254413	−.0427113
.750	−.0332460	−.0441591	−.0308494	−.0391916	−.0287549	−.0351855
.800	−.0355072	−.0352965	−.0327272	−.0310508	−.0303129	−.0278484
.850	−.0358761	−.0267922	−.0328624	−.0232602	−.0302772	−.0204671
.900	−.0345436	−.0190074	−.0314397	−.0161710	−.0288059	−.0139670
.950	−.0317750	−.0122616	−.0287119	−.0100759	−.0261404	−.0081175
1.000	−.0278925	−.0067991	−.0249842	−.0051959	−.0225703	−.0040202
1.100	−.0182415	−.0002717	−.0158974	+.0004396	−.0140063	+.0008956
1.200	−.0085396	+.0003655	−.0069348	+.0006079	−.0056971	+.0007167
1.300	−.0013558	−.0057949	−.0004680.	−.0036057	.0001573	−.0034860
1.400	.0016337	−.0107182	.0019907	−.0102516	.0021842	−.0098456
1.500	−.0000753	−.0179620	.0000407	−.0170266	.0000669	−.0161855
1.600	−.0058132	−.0232588	−.0056188	−.0218223	−.0054778	−.0205386
1.700	−.0139966	−.0250123	−.0134457	−.0231883	−.0129527	−.0215817
1.800	−.0225717	−.0226052	−.0214825	−.0206106	−.0204917	−.0188879
1.900	−.0295291	−.0164492	−.0278455	−.0145544	−.0263257	−.0129567
2.000	−.0333678	−.0078222	−.0311591	−.0062779	−.0291909	−.0050259

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(f) M = 1.8

x	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999598	-.0072320	.4999698	-.0048213	.3333092	-.0036159
.010	.9998390	-.0144628	.4998793	-.0096417	.3332367	-.0072312
.015	.9996378	-.0216914	.4997284	-.0144603	.3331160	-.0108449
.020	.9993562	-.0289168	.4995172	-.0192763	.3329471	-.0144564
.025	.9989942	-.0361377	.4992457	-.0240887	.3327299	-.0180650
.030	.9985519	-.0433530	.4989140	-.0288967	.3324646	-.0216699
.035	.9980295	-.0505618	.4985222	-.0336994	.3321512	-.0252703
.040	.9974269	-.0577628	.4980704	-.0384959	.3317898	-.0288657
.045	.9967444	-.0649550	.4975587	-.0432854	.3313805	-.0324551
.050	.9959821	-.0721372	.4969872	-.0480669	.3309234	-.0360379
.055	.9951402	-.0793084	.4963560	-.0528396	.3304186	-.0396134
.060	.9942188	-.0864676	.4956653	-.0576026	.3298663	-.0431808
.065	.9932181	-.0936135	.4949153	-.0623551	.3292665	-.0467394
.070	.9921384	-.1007451	.4941061	-.0670962	.3286195	-.0502885
.075	.9909798	-.1078614	.4932379	-.0718249	.3279254	-.0538274
.080	.9897427	-.1149612	.4923109	-.0765406	.3271843	-.0573553
.085	.9884273	-.1220435	.4913254	-.0812422	.3263965	-.0608716
.090	.9870338	-.1291073	.4902816	-.0859289	.3255621	-.0643755
.095	.9855626	-.1361514	.4891796	-.0906000	.3246815	-.0678663
.100	.9840139	-.1431748	.4880199	-.0952545	.3237547	-.0713433
.105	.9823882	-.1501763	.4868026	-.0998917	.3227820	-.0748059
.110	.9806857	-.1571553	.4855281	-.1045106	.3217658	-.0782533
.115	.9789068	-.1641102	.4841966	-.1091105	.3207001	-.0816849
.120	.9770519	-.1710404	.4828085	-.1136905	.3195914	-.0850999
.125	.9751214	-.1779446	.4813641	-.1182498	.3184378	-.0884977
.130	.9731156	-.1848219	.4798637	-.1227877	.3172396	-.0918776
.135	.9710351	-.1916712	.4783077	-.1273032	.3159974	-.0952390
.140	.9688802	-.1984916	.4766964	-.1317956	.3147111	-.0985811
.145	.9666514	-.2052820	.4750302	-.1362641	.3133813	-.1019034
.150	.9643492	-.2120415	.4733096	-.1407079	.3120082	-.1052051.
.160	.9595265	-.2254467	.4697065	-.1495184	.3091336	-.1117743
.170	.9544161	-.2387505	.4658804	-.1582208	.3060903	-.1181958
.180	.9490223	-.2518941	.4618650	-.1668091	.3028814	-.1245484
.190	.9433496	-.2648871	.4576839	-.1752774	.2995099	-.1308033
.200	.9374028	-.2777221	.4532012	-.1836200	.2959793	-.1369538
.225	.9213697	-.3090720	.4412846	-.2038894	.2864803	-.1518428
.250	.9035365	-.3392828	.4281650	-.2232535	.2760683	-.1659812
.275	.8845997	-.3682547	.4139717	-.2416345	.2648077	-.1793053
.300	.8640520	-.3958951	.3987719	-.2589609	.2527677	-.1917571
.325	.8421995	-.4221201	.3826499	-.2751684	.2400216	-.2032850
.350	.8191523	-.4468545	.3656904	-.2902005	.2266667	-.2138438
.400	.7699373	-.4915972	.3296759	-.3165504	.1983355	-.2319075
.450	.7173689	-.5297120	.2914995	-.3377176	.1684959	-.2457262
.500	.6624462	-.5609459	.2519819	-.3535431	.1378206	-.2551939
.550	.6061781	-.5852072	.2119405	-.3640031	.1069928	-.2603207
.600	.5495566	-.6025624	.1721720	-.3692057	.0766759	-.2612500
.650	.4935505	-.6132285	.1334304	-.3693858	.0474922	-.2581508
.700	.4389822	-.6175616	.0964072	-.3648359	.0200057	-.2514081
.750	.3867061	-.6160412	.0617132	-.3561520	-.0052927	-.2414098
.800	.3373914	-.6092513	.0298648	-.3437165	-.0279980	-.2286306
.850	.2916081	-.5978595	.0012723	-.3281693	-.0477994	-.2135593
.900	.2497972	-.5825935	-.0237671	-.3101452	-.0644868	-.1968512
.950	.2122694	-.5642171	-.0450725	-.2903006	-.0779519	-.1789972
1.000	.1791847	-.5435071	-.0625793	-.2692930	-.0881882	-.1605675
1.100	.1264128	-.4981125	-.0864878	-.2265021	-.0994189	-.1241325
1.200	.0903823	-.4520174	-.0970450	-.1857205	-.0998885	-.0913203
1.300	.0684311	-.4097358	-.0970565	-.1510180	-.0923347	-.0648644
1.400	.0568845	-.3743063	-.0900691	-.1242870	-.0800489	-.0462302
1.500	.0516758	-.3471441	-.0798100	-.1061582	-.0663694	-.0355713
1.600	.0489447	-.3281243	-.0696606	-.0959224	-.0542150	-.0318855
1.700	.0455327	-.3158666	-.0622347	-.0918263	-.0457234	-.0332502
1.800	.0395177	-.3081573	-.0591138	-.0914853	-.0420397	-.0373342
1.900	.0293554	-.3023367	-.0607653	-.0923290	-.0432727	-.0417001
2.000	.0158169	-.2962710	-.0666245	-.0920504	-.0486124	-.0442512

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(f) M = 1.8 - Continued

k	$\left(f_3\right)_R$	$\left(f_3\right)_I$	$\left(f_4\right)_R$	$\left(f_4\right)_I$	$\left(f_5\right)_R$	$\left(f_5\right)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499799	−.0028928	.1999828	−.0024106	.1666516	−.0020662
.010	.2499195	−.0057849	.1999310	−.0048207	.1666063	−.0041320
.015	.2498189	−.0086757	.1998448	−.0072297	.1665309	−.0061968
.020	.2496781	−.0115647	.1997241	−.0096370	.1664255	−.0082601
.025	.2494972	−.0144511	.1995690	−.0120420	.1662895	−.0103214
.030	.2492761	−.0173344	.1993795	−.0144444	.1661238	−.0123803
.035	.2490149	−.0202139	.1991557	−.0168434	.1659279	−.0144362
.040	.2487138	−.0230889	.1988976	−.0192385	.1657021	−.0164887
.045	.2483728	−.0259590	.1986055	−.0216293	.1654464	−.0185372
.050	.2479920	−.0288233	.1982790	−.0240151	.1651609	−.0205814
.055	.2475714	−.0316814	.1979185	−.0263955	.1648455	−.0226207
.060	.2471112	−.0345325	.1975241	−.0287696	.1645006	−.0246546
.065	.2466116	−.0373762	.1970961	−.0311372	.1641260	−.0266826
.070	.2460726	−.0402116	.1966342	−.0334977	.1637220	−.0287043
.075	.2454944	−.0430385	.1961388	−.0358505	.1632886	−.0307192
.080	.2448772	−.0458556	.1956099	−.0381951	.1628260	−.0327268
.085	.2442211	−.0486650	.1950478	−.0405310	.1623343	−.0347266
.090	.2435262	−.0514597	.1944525	−.0428577	.1618137	−.0367182
.095	.2427929	−.0542452	.1938243	−.0451745	.1612642	−.0387011
.100	.2420212	−.0570190	.1931633	−.0474810	.1606861	−.0406748
.105	.2412114	−.0597803	.1924696	−.0497767	.1600795	−.0426389
.110	.2403636	−.0625287	.1917434	−.0520610	.1594446	−.0445929
.115	.2394782	−.0652634	.1909853	−.0543354	.1587815	−.0465364
.120	.2385553	−.0679841	.1901950	−.0565935	.1580905	−.0484688
.125	.2375953	−.0706899	.1893729	−.0588407	.1573718	−.0503898
.130	.2365982	−.0733805	.1885192	−.0610745	.1566254	−.0522990
.135	.2355645	−.0760551	.1876342	−.0632944	.1558518	−.0541957
.140	.2344944	−.0787134	.1867181	−.0654999	.1550510	−.0560797
.145	.2333881	−.0813546	.1857712	−.0676905	.1542233	−.0579505
.150	.2322460	−.0839782	.1847936	−.0698658	.1533690	−.0598077
.160	.2298555	−.0891705	.1827479	−.0741684	.1515813	−.0634794
.170	.2273254	−.0942860	.1805852	−.0784038	.1496900	−.0670915
.180	.2246585	−.0993204	.1783019	−.0825684	.1476971	−.0706408
.190	.2218571	−.1042695	.1759064	−.0866586	.1456049	−.0741239
.200	.2189247	−.1091294	.1733993	−.0906708	.1434158	−.0775379
.225	.2110401	−.1208628	.1666620	−.1003380	.1375351	−.0857506
.250	.2024067	−.1319552	.1592905	−.1094461	.1311052	−.0934676
.275	.1930804	−.1423550	.1513348	−.1179486	.1241705	−.1006480
.300	.1831215	−.1520075	.1428480	−.1258039	.1167750	−.1072355
.325	.1725939	−.1608756	.1338867	−.1329750	.1089814	−.1132572
.350	.1615846	−.1689201	.1245103	−.1394302	.1008308	−.1186263
.400	.1382818	−.1824187	.1047597	−.1500931	.0836923	−.1275604
.450	.1138515	−.1923276	.0841059	−.1576489	.0658191	−.1333971
.500	.0888664	−.1985731	.0630702	−.1620451	.0476760	−.1366383
.550	.0639154	−.2011856	.0421685	−.1633197	.0297214	−.1371473
.600	.0395655	−.2002869	.0218945	−.1615984	.0123931	−.1350461
.650	.0163448	−.1960990	.0027064	−.1570879	−.0039059	−.1305292
.700	−.0052726	−.1889243	−.0149885	−.1500672	−.0188190	−.1238552
.750	−.0248800	−.1791337	−.0308446	−.1408765	−.0320469	−.1155367
.800	−.0421479	−.1671554	−.0445870	−.1299041	−.0433554	−.1053281
.850	−.0568323	−.1534581	−.0560185	−.1175719	−.0525811	−.0942124
.900	−.0687791	−.1383547	−.0650222	−.1043209	−.0596342	−.0823872
.950	−.0778247	−.1228855	−.0715640	−.0905950	−.0644991	−.0702511
1.000	−.0842953	−.1070004	−.0756885	−.0768266	−.0672319	−.0581896
1.100	−.0892271	−.0763460	−.0772308	−.0507503	−.0668320	−.0356925
1.200	−.0855105	−.0497480	−.0713520	−.0288195	−.0601375	−.0172721
1.300	−.0751413	−.0294111	−.0604863	−.0128485	−.0495626	−.0044492
1.400	−.0617369	−.0163750	−.0473952	−.0035813	−.0370554	.0022440
1.500	−.0480750	−.0104997	−.0347361	−.0006951	−.0256108	.0032440
1.600	−.0366778	−.0108206	−.0247090	−.0029611	−.0169531	−.0000048
1.700	−.0292993	−.0148574	−.0187629	−.0085236	−.0122942	−.0063185
1.800	−.0267544	−.0208845	−.0174665	−.0152493	−.0120195	−.0131017
1.900	−.0285042	−.0265219	−.0205134	−.0210881	−.0157105	−.0186855
2.000	−.0347889	−.0298856	−.0268623	−.0243890	−.0222895	−.0216027

TABLE I.- VALUES OF $f_\lambda(M,\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(f) M = 1.8 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428437	−.0018080	.1249879	−.0016071	.1111002	−.0014464
.010	.1428035	−.0036155	.1249517	−.0032137	.1110672	−.0028924
.015	.142736月	−.0054221	.1248914	−.0048196	.1110123	−.0043376
.020	.1426426	−.0072274	.1248069	−.0064243	.1109355	−.0057818
.025	.1425219	−.0090310	.1246985	−.0080273	.1108369	−.0072245
.030	.1423746	−.0108323	.1245657	−.0096284	.1107165	−.0086653
.035	.1422005	−.0126310	.1244090	−.0112270	.1105739	−.0101039
.040	.1419998	−.0144265	.1242284	−.0128228	.1104097	−.0115400
.045	.1417725	−.0162186	.1240239	−.0144155	.1102237	−.0129731
.050	.1415187	−.0180067	.1237955	−.0160043	.1100161	−.0144029
.055	.1412385	−.0197904	.1235433	−.0175895	.1097869	−.0158290
.060	.1409319	−.0215692	.1232674	−.0191701	.1095361	−.0172511
.065	.1405990	−.0233428	.1229678	−.0207459	.1092638	−.0186689
.070	.1402399	−.0251107	.1226446	−.0223165	.1089701	−.0200818
.075	.1398548	−.0268724	.1222980	−.0238816	.1086551	−.0214897
.080	.1394437	−.0286276	.1219281	−.0254407	.1083189	−.0228921
.085	.1390068	−.0303758	.1215349	−.0269934	.1079616	−.0242886
.090	.1385441	−.0321166	.1211187	−.0285395	.1075832	−.0256790
.095	.1380559	−.0338495	.1206793	−.0300784	.1071840	−.0270629
.100	.1375422	−.0355742	.1202172	−.0316098	.1067640	−.0284399
.105	.1370033	−.0372903	.1197323	−.0331333	.1063233	−.0298097
.110	.1364392	−.0389973	.1192248	−.0346486	.1058622	−.0311720
.115	.1358501	−.0406947	.1186950	−.0361552	.1053806	−.0325263
.120	.1352363	−.0423823	.1181427	−.0376529	.1048788	−.0338724
.125	.1345978	−.0440596	.1175685	−.0391412	.1043570	−.0352099
.130	.1339349	−.0457262	.1169725	−.0406198	.1038152	−.0365385
.135	.1332477	−.0473817	.1163542	−.0420883	.1032536	−.0378579
.140	.1325365	−.0490257	.1157146	−.0435464	.1026724	−.0391677
.145	.1318014	−.0506578	.1150536	−.0449937	.1020719	−.0404677
.150	.1310428	−.0522777	.1143713	−.0464298	.1014520	−.0417574
.160	.1294554	−.0554791	.1129440	−.0492673	.1001554	−.0443050
.170	.1277762	−.0586270	.1114342	−.0520561	.0987840	−.0468080
.180	.1260071	−.0617185	.1098439	−.0547956	.0973396	−.0492639
.190	.1241502	−.0647502	.1081748	−.0574771	.0958239	−.0516705
.200	.1222076	−.0677200	.1064289	−.0601043	.0942386	−.0540255
.225	.1169909	−.0748548	.1017418	−.0664092	.0899857	−.0596721
.250	.1112899	−.0815445	.0966218	−.0723101	.0853375	−.0649489
.275	.1051451	−.0877525	.0911058	−.0777741	.0803342	−.0698260
.300	.0985999	−.0934463	.0852538	−.0827718	.0750103	−.0742768
.325	.0917002	−.0985974	.0790477	−.0872781	.0694046	−.0782781
.350	.0844941	−.1031815	.0725913	−.0912707	.0635574	−.0818103
.400	.0693635	−.1105745	.0590509	−.0976500	.0513072	−.0874087
.450	.0536198	−.1155221	.0449885	−.1018202	.0386051	−.0909930
.500	.0376821	−.1179965	.0307857	−.1037606	.0258011	−.0925479
.550	.0219650	−.1180431	.0168171	−.1035184	.0132384	−.0921210
.600	.0068549	−.1157799	.0034381	−.1012061	.0012418	−.0898197
.650	−.0072825	−.1113895	−.0090265	−.0969955	−.0098931	−.0858060
.700	−.0201327	−.1051125	−.0202929	−.0911113	−.0199090	−.0802902
.750	−.0314326	−.0972373	−.0301265	−.0838210	−.0285949	−.0735217
.800	−.0409791	−.0880895	−.0383488	−.0754252	−.0357919	−.0657795
.850	−.0486542	−.0780192	−.0448416	−.0662461	−.0413974	−.0573617
.900	−.0543276	−.0673881	−.0499491	−.0566152	−.0455664	−.0485740
.950	−.0580567	−.0563570	−.0524775	−.0466617	−.0477117	−.0397189
1.000	−.0598840	−.0458752	−.0536927	−.0375009	−.0485009	−.0310849
1.100	−.0585779	−.0261992	−.0515161	−.0198860	−.0459274	−.0155059
1.200	−.0513817	−.0104625	−.0445195	−.0062406	−.0390755	−.0035204
1.300	−.0410198	+.0000428−	−.0346893	+.0025200−	−.0298016	+.0038987
1.400	−.0296159	+.0049582−	−.0241702	+.0061309−	−.0200995	+.0065726
1.500	−.0193368	+.0047805−	−.0149543	+.0051412−	−.0117725	+.0050738
1.600	−.0118843	+.0006526−	−.0084997	+.0007569−	−.0061839	+.0005733
1.700	−.0082806	−.0055940	−.0057348	−.0054054	−.0040806	−.0053950
1.800	−.0087741	−.0121484	−.0067856	−.0116098	−.0055289	−.0112099
1.900	−.0128725	−.0173007	−.0111128	−.0162900	−.0099605	−.0154319
2.000	−.0194852	−.0197543	−.0176391	−.0182900	−.0163185	−.0170255

TABLE I.- VALUES OF $f_\lambda(M,B) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(f) M = 1.8 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999900	-.0013149	.0908999	-.0012053	.0833248	-.0011126
.010	.0999598	-.0026294	.0908719	-.0024103	.0832988	-.0022249
.015	.0999095	-.0039433	.0908255	-.0036146	.0832557	-.0033366
.020	.0998391	-.0052561	.0907605	-.0048181	.0831954	-.0044474
.025	.0997486	-.0065676	.0906770	-.0060202	.0831178	-.0055570
.030	.0996381	-.0078774	.0905750	-.0072208	.0830251	-.0066652
.035	.0995075	-.0091851	.0904545	-.0084194	.0829112	-.0077716
.040	.0993570	-.0104905	.0903156	-.0096159	.0827822	-.0088759
.045	.0991866	-.0117931	.0901583	-.0108098	.0826362	-.0099779
.050	.0989963	-.0130927	.0899826	-.0120010	.0824731	-.0110773
.055	.0987862	-.0143889	.0897887	-.0131889	.0822930	-.0121737
.060	.0985562	-.0156814	.0895765	-.0143754	.0820960	-.0132669
.065	.0983067	-.0169698	.0893461	-.0155542	.0818821	-.0143565
.070	.0980375	-.0182539	.0890977	-.0167309	.0816514	-.0154424
.075	.0977488	-.0195332	.0888312	-.0179032	.0814040	-.0165242
.080	.0974407	-.0208075	.0885468	-.0190708	.0811399	-.0176016
.085	.0971132	-.0220764	.0882446	-.0202334	.0808593	-.0186744
.090	.0967664	-.0233396	.0879245	-.0213907	.0805622	-.0197422
.095	.0964006	-.0245968	.0875869	-.0225425	.0802487	-.0208048
.100	.0960157	-.0258477	.0872317	-.0236884	.0799189	-.0218619
.105	.0956118	-.0270919	.0868590	-.0248281	.0795729	-.0229133
.110	.0951892	-.0283291	.0864690	-.0259613	.0792109	-.0239586
.115	.0947480	-.0295591	.0860618	-.0270877	.0788327	-.0249976
.120	.0942882	-.0307814	.0856375	-.0282071	.0784389	-.0260300
.125	.0938100	-.0319958	.0851962	-.0293191	.0780293	-.0270555
.130	.0933135	-.0332020	.0847381	-.0304236	.0776041	-.0280740
.135	.0927990	-.0343997	.0842634	-.0315201	.0771634	-.0290850
.140	.0922665	-.0355886	.0837721	-.0326084	.0767074	-.0300884
.145	.0917163	-.0367683	.0832644	-.0336882	.0762362	-.0310840
.150	.0911484	-.0379387	.0827405	-.0347593	.0757499	-.0320713
.160	.0899606	-.0402499	.0816446	-.0368743	.0747328	-.0340205
.170	.0887045	-.0425200	.0804858	-.0389510	.0736574	-.0359343
.180	.0873815	-.0447468	.0792655	-.0409875	.0725249	-.0378104
.190	.0859933	-.0469280	.0779852	-.0429818	.0713368	-.0396471
.200	.0845416	-.0490614	.0766465	-.0449318	.0700946	-.0414426
.225	.0806461	-.0541734	.0730542	-.0496010	.0667620	-.0457392
.250	.0763956	-.0589445	.0691341	-.0539541	.0631262	-.0497411
.275	.0718159	-.0633472	.0649155	-.0579656	.0592147	-.0534246
.300	.0669470	-.0673572	.0604301	-.0616130	.0550569	-.0567689
.325	.0618225	-.0709532	.0557111	-.0648769	.0506841	-.0597558
.350	.0564801	-.0741175	.0507935	-.0677409	.0461290	-.0623704
.400	.0452971	-.0790977	.0405078	-.0722208	.0366078	-.0664379
.450	.0337174	-.0822273	.0298698	-.0749896	.0267711	-.0689141
.500	.0220645	-.0834957	.0191801	-.0760592	.0168989	-.0697935
.550	.0106548	-.0829495	.0087324	-.0754160	.0072656	-.0691215
.600	-.0002128	-.0806914	-.0011967	-.0732180	-.0018716	-.0669918
.650	-.0102671	-.0768747	-.0103568	-.0695595	-.0102800	-.0635423
.700	-.0192751	-.0716967	-.0185316	-.0647193	-.0177597	-.0589488
.750	-.0270391	-.0653909	-.0255457	-.0588237	-.0241490	-.0534177
.800	-.0334225	-.0582176	-.0312700	-.0521474	-.0293300	-.0471782
.850	-.0383329	-.0504538	-.0356242	-.0449454	-.0332309	-.0404733
.900	-.0417341	-.0423850	-.0385789	-.0374939	-.0358277	-.0335500
.950	-.0436433	-.0342890	-.0401543	-.0300405	-.0371428	-.0266511
1.000	-.0441284	-.0264253	-.0404185	-.0228354	-.0372434	-.0200053
1.100	-.0413259	-.0123601	-.0374933	-.0100351	-.0342645	-.0082748
1.200	-.0346857	-.0017150	-.0310985	-.0004892	-.0281252	+.0003575
1.300	-.0259578	+.0046530	-.0228825	+.0050411	-.0203828	+.0052098
1.400	-.0169920	+.0066305	-.0145733	+.0064926	-.0126571	+.0062583
1.500	-.0094498	+.0048014	-.0077076	+.0044522	-.0063760	+.0040874
1.600	-.0045843	+.0002975	-.0034078	+.0000115	-.0025667	-.0002513
1.700	-.0029821	-.0054260	-.0022376	-.0054482	-.0017239	-.0054462
1.800	-.0047089	-.0108517	-.0041562	-.0105057	-.0037709	-.0101582
1.900	-.0091608	-.0146522	-.0085728	-.0139262	-.0081164	-.0132460
2.000	-.0155069	-.0158951	-.0144861	-.0148720	-.0137901	-.0139425

TABLE I.- VALUES OF $r_\lambda(M,\bar\omega) = (r_\lambda)_R + i(r_\lambda)_I$ - Continued

(g) M = 2.0

x	$(r_0)_R$	$(r_0)_I$	$(r_1)_R$	$(r_1)_I$	$(r_2)_R$	$(r_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999667	-.0066665	.4999750	-.0044443	.3333133	-.0033332
.010	.9998667	-.0133322	.4999000	-.0088880	.3332533	-.0066659
.015	.9997000	-.0199965	.4997750	-.0133304	.3331534	-.0099976
.020	.9994668	-.0266580	.4996001	-.0177708	.3330134	-.0133273
.025	.9991670	-.0333164	.4993752	-.0222086	.3328335	-.0166554
.030	.9988006	-.0399707	.4991005	-.0266432	.3326138	-.0199865
.035	.9983678	-.0466201	.4987759	-.0310739	.3323541	-.0233023
.040	.9978686	-.0532638	.4984016	-.0355000	.3320547	-.0266203
.045	.9973031	-.0599011	.4979776	-.0399209	.3317155	-.0299341
.050	.9966713	-.0665310	.4975039	-.0443359	.3313367	-.0332429
.055	.9959735	-.0731528	.4969807	-.0487445	.3309182	-.0365563
.060	.9952097	-.0797657	.4964081	-.0531459	.3304602	-.0398638
.065	.9943800	-.0863688	.4957861	-.0575395	.3299628	-.0431348
.070	.9934846	-.0929614	.4951149	-.0619247	.3294261	-.0464188
.075	.9925236	-.0995427	.4943947	-.0663009	.3288502	-.0496952
.080	.9914972	-.1061119	.4936255	-.0706674	.3282352	-.0529636
.085	.9904056	-.1126681	.4928074	-.0750235	.3275811	-.0562233
.090	.9892489	-.1192106	.4919408	-.0793686	.3268883	-.0594740
.095	.9880274	-.1257386	.4910256	-.0837022	.3261567	-.0627149
.100	.9867412	-.1322513	.4900621	-.0880235	.3253865	-.0659457
.105	.9853905	-.1387480	.4890504	-.0923320	.3245780	-.0691658
.110	.9839757	-.1452278	.4879908	-.0966271	.3237312	-.0723747
.115	.9824968	-.1516899	.4868835	-.1009080	.3228463	-.0755718
.120	.9809543	-.1581337	.4857285	-.1051742	.3219235	-.0787567
.125	.9793482	-.1645582	.4845263	-.1094251	.3209630	-.0819288
.130	.9776790	-.1709629	.4832769	-.1136601	.3199649	-.0850877
.135	.9759468	-.1773468	.4819806	-.1178786	.3189296	-.0882328
.140	.9741520	-.1837093	.4806377	-.1220799	.3178571	-.0913637
.145	.9722949	-.1900495	.4792484	-.1262635	.3167476	-.0944798
.150	.9703757	-.1963668	.4778130	-.1304287	.3156015	-.0975807
.160	.9663526	-.2089296	.4748048	-.1387018	.3132002	-.1037347
.170	.9620853	-.2213916	.4716153	-.1468946	.3106549	-.1098218
.180	.9575767	-.2337471	.4682469	-.1550024	.3079676	-.1158585
.190	.9528298	-.2459904	.4647022	-.1630207	.3051406	-.1217804
.200	.9478477	-.2581158	.4609836	-.1709451	.3021760	-.1276444
.225	.9343857	-.2878776	.4509452	-.1903164	.2941784	-.1419393
.250	.9195303	-.3167845	.4398840	-.2090074	.2855733	-.1556694
.275	.9033424	-.3447573	.4278508	-.2269557	.2758098	-.1687855
.300	.8858881	-.3717210	.4149000	-.2441030	.2655288	-.1812341
.325	.8672380	-.3976060	.4010902	-.2603953	.2545819	-.1929771
.350	.8474672	-.4223477	.3864834	-.2757831	.2430221	-.2039725
.400	.8048822	-.4681721	.3551422	-.3036709	.2182874	-.2235816
.450	.7588030	-.5087955	.3214275	-.3274696	.1917928	-.2398276
.500	.7099394	-.5439182	.2859215	-.3469668	.1640309	-.2525498
.550	.6590259	-.5733456	.2492236	-.3620376	.1355071	-.2616637
.600	.6068059	-.5969873	.2119368	-.3726456	.1067274	-.2671602
.650	.5540158	-.6148571	.1746943	-.3788412	.0781869	-.2691053
.700	.5013699	-.6270692	.1379463	-.3807581	.0503581	-.2676358
.750	.4495459	-.6338325	.1023484	-.3786081	.0236808	-.2629543
.800	.3991725	-.6354426	.0685500	-.3726733	-.0014476	-.2553227
.850	.3508170	-.6322720	.0363851	-.3632975	-.0246802	-.2450540
.900	.3049763	-.6247590	.0068245	-.3508768	-.0457270	-.2325029
.950	.2620689	-.6133952	-.0200308	-.3358453	-.0643603	-.2180556
1.000	.2224296	-.5987119	-.0439529	-.3186687	-.0804173	-.2021198
1.100	.1538577	-.5616284	-.0824661	-.2798045	-.1044847	-.1674530
1.200	.1001948	-.5180308	-.1085968	-.2381058	-.1179407	-.1317753
1.300	.0610549	-.4722158	-.1225580	-.1970975	-.1217491	-.0980542
1.400	.0349272	-.4278801	-.1266006	-.1597009	-.1176895	-.0685684
1.500	.0194643	-.3878693	-.1229414	-.1280142	-.1078485	-.0450272
1.600	.0118278	-.3540012	-.1142465	-.1031989	-.0948592	-.0280871
1.700	.0090488	-.3270421	-.1032082	-.0854774	-.0810027	-.0176689
1.800	.0086629	-.3067882	-.0922359	-.0742329	-.0684050	-.0129467
1.900	.0074837	-.2922353	-.0832133	-.0681930	-.0585893	-.0125500
2.000	.0047918	-.2818454	-.0776706	-.0656695	-.0524579	-.0147918

TABLE I.- VALUES OF $r_\lambda(M,\bar\omega) = (r_\lambda)_R + i(r_\lambda)_I$ - Continued

(g) M = 2.0 - Continued

k	$(r_3)_R$	$(r_3)_I$	$(r_4)_R$	$(r_4)_I$	$(r_5)_R$	$(r_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499833	−.0026666	.1999857	−.0022222	.1666542	−.0019047
.010	.2499333	−.0053327	.1999429	−.0044439	.1666167	−.0038090
.015	.2498500	−.0079979	.1998714	−.0066648	.1665542	−.0057127
.020	.2497334	−.0106617	.1997715	−.0088845	.1664667	−.0076152
.025	.2495835	−.0133236	.1996430	−.0111026	.1663543	−.0095163
.030	.2494004	−.0159832	.1994860	−.0133187	.1662170	−.0114155
.035	.2491840	−.0186401	.1993006	−.0155323	.1660547	−.0133126
.040	.2489345	−.0212936	.1990868	−.0177430	.1658676	−.0152072
.045	.2486519	−.0239435	.1988446	−.0199505	.1656557	−.0170989
.050	.2483362	−.0265892	.1985740	−.0221544	.1654190	−.0189873
.055	.2479876	−.0292302	.1982752	−.0243542	.1651576	−.0208722
.060	.2476060	−.0318661	.1979482	−.0265495	.1648715	−.0227550
.065	.2471917	−.0344965	.1975931	−.0287400	.1645608	−.0246296
.070	.2467445	−.0371209	.1972100	−.0309252	.1642256	−.0265015
.075	.2462647	−.0397388	.1967988	−.0331048	.1638660	−.0283685
.080	.2457524	−.0423498	.1963598	−.0352783	.1634819	−.0302298
.085	.2452077	−.0449534	.1958930	−.0374454	.1630736	−.0320855
.090	.2446306	−.0475492	.1953986	−.0396056	.1626411	−.0339351
.095	.2440213	−.0501367	.1948766	−.0417585	.1621845	−.0357784
.100	.2433799	−.0527155	.1943271	−.0439039	.1617039	−.0376148
.105	.2427066	−.0552851	.1937503	−.0460412	.1611994	−.0394441
.110	.2420014	−.0578451	.1931462	−.0481701	.1606711	−.0412660
.115	.2412647	−.0603951	.1925151	−.0502903	.1601192	−.0430800
.120	.2404964	−.0629346	.1918571	−.0524013	.1595437	−.0448859
.125	.2396968	−.0654631	.1911722	−.0545027	.1589449	−.0466833
.130	.2388660	−.0679803	.1904607	−.0565942	.1583227	−.0484719
.135	.2380042	−.0704858	.1897227	−.0586754	.1576775	−.0502514
.140	.2371116	−.0729790	.1889584	−.0607459	.1570092	−.0520213
.145	.2361883	−.0754596	.1881679	−.0628054	.1563181	−.0537815
.150	.2352346	−.0779271	.1873514	−.0648534	.1556043	−.0555315
.160	.2332367	−.0828213	.1856411	−.0689138	.1541093	−.0589998
.170	.2311196	−.0876588	.1838290	−.0729242	.1525255	−.0624237
.180	.2288849	−.0924348	.1819166	−.0768818	.1508544	−.0658007
.190	.2265345	−.0971477	.1799056	−.0807858	.1490973	−.0691284
.200	.2240704	−.1017958	.1777978	−.0846274	.1472560	−.0724042
.225	.2174263	−.1130968	.1721167	−.0939658	.1422946	−.0803518
.250	.2101190	−.1239171	.1658722	−.1028789	.1368439	−.0879257
.275	.2021859	−.1342115	.1590977	−.1113352	.1309339	−.0950927
.300	.1936678	−.1439396	.1518294	−.1192978	.1245971	−.1018222
.325	.1846082	−.1530646	.1441057	−.1267349	.1178680	−.1080865
.350	.1750531	−.1615529	.1355674	−.1336178	.1107850	−.1138598
.400	.1546508	−.1765044	.1186187	−.1456250	.0955998	−.1238501
.450	.1328673	−.1888025	.1001425	−.1551520	.0796689	−.1316542
.500	.1101293	−.1977207	.0809148	−.1621015	.0650265	−.1571855
.550	.0868733	−.2037987	.0613193	−.1664274	.0461147	−.1404112
.600	.0635345	−.2068830	.0417377	−.1681451	.0292751	−.1413517
.650	.0405368	−.2069255	.0225399	−.1673280	.0128298	−.1400797
.700	.0182825	−.2041797	.0040757	−.1641037	−.0029066	−.1367166
.750	−.0028567	−.1987959	−.0133341	−.1585503	−.0176542	−.1314284
.800	−.0222585	−.1910156	−.0294046	−.1511900	−.0311646	−.1244205
.850	−.0405057	−.1811232	−.0438953	−.1419824	−.0432285	−.1159311
.900	−.0564942	−.1643381	−.0566048	−.1313170	−.0536793	−.1062239
.950	−.0703348	−.1568052	−.0673943	−.1195042	−.0625978	−.0955808
1.000	−.0819069	−.1420858	−.0761700	−.1068675	−.0695120	−.0842935
1.100	−.0980591	−.1118534	−.0875772	−.0804228	−.0776812	−.0609947
1.200	−.1051471	−.0815815	−.0911290	−.0544875	−.0791503	−.0384376
1.300	−.1041961	−.0537888	−.0878584	−.0312324	−.0747544	−.0186477
1.400	−.0968803	−.0304134	−.0793588	−.0122965	−.0659380	−.0029864
1.500	−.0852856	−.0126904	−.0675626	+.0013454	−.0545495	+.0077608
1.600	−.0716488	−.0010756	−.0544966	+.0094270	−.0424135	+.0134584
1.700	−.0580856	+.0047213	−.0420450	+.0123523	−.0312152	+.0145771
1.800	−.0463729	+.0058244	−.0317449	+.0110829	−.0222970	+.0120818
1.900	−.0377748	+.0030147	−.0246899	+.0069670	−.0165288	+.0072688
2.000	−.0329485	−.0014857	−.0212033	+.0015375	−.0142458	+.0015747

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(g) M = 2.0 - Continued

x	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428460	-.0016666	.1249900	-.0014814	.1111020	-.0013333
.010	.1428127	-.0033329	.1249600	-.0029626	.1110748	-.0026663
.015	.1427572	-.0049985	.1249100	-.0044431	.1110293	-.0039988
.020	.1426794	-.0066632	.1248400	-.0059228	.1109657	-.0053304
.025	.1425795	-.0083265	.1247501	-.0074012	.1108840	-.0066610
.030	.1424574	-.0099883	.1246403	-.0088782	.1107841	-.0079902
.035	.1423132	-.0116480	.1245105	-.0103554	.1106661	-.0093178
.040	.1421469	-.0133055	.1243608	-.0118266	.1105300	-.0106435
.045	.1419585	-.0149604	.1241913	-.0132974	.1103759	-.0119670
.050	.1417482	-.0166124	.1240019	-.0147655	.1102038	-.0132881
.055	.1415158	-.0182611	.1237928	-.0162307	.1100137	-.0146065
.060	.1412615	-.0199063	.1235640	-.0176926	.1098057	-.0159219
.065	.1409854	-.0215476	.1233155	-.0191510	.1095799	-.0172341
.070	.1406875	-.0231846	.1230475	-.0206056	.1093362	-.0185428
.075	.1403679	-.0248172	.1227598	-.0220560	.1090747	-.0198477
.080	.1400266	-.0264449	.1224527	-.0235021	.1087956	-.0211485
.085	.1396637	-.0280674	.1221262	-.0249435	.1084988	-.0224451
.090	.1392794	-.0296845	.1217804	-.0263799	.1081845	-.0237371
.095	.1388736	-.0312958	.1214153	-.0278110	.1078526	-.0250243
.100	.1384465	-.0329010	.1210310	-.0292366	.1075034	-.0263064
.105	.1379983	-.0344998	.1206277	-.0306564	.1071368	-.0275832
.110	.1375289	-.0360918	.1202054	-.0320700	.1067530	-.0288544
.115	.1370385	-.0376769	.1197642	-.0334773	.1063520	-.0301197
.120	.1365272	-.0392546	.1193042	-.0348780	.1059340	-.0313789
.125	.1359952	-.0408246	.1188256	-.0362716	.1054991	-.0326318
.130	.1354425	-.0423868	.1183284	-.0376581	.1050472	-.0338781
.135	.1348692	-.0439407	.1178127	-.0390371	.1045787	-.0351175
.140	.1342756	-.0454861	.1172788	-.0404084	.1040935	-.0363498
.145	.1336617	-.0470226	.1167266	-.0417716	.1035917	-.0375747
.150	.1330277	-.0485501	.1161565	-.0431266	.1030736	-.0387921
.160	.1316999	-.0515784	.1149621	-.0458105	.1019886	-.0412031
.170	.1302954	-.0545629	.1136973	-.0484583	.1008395	-.0435809
.180	.1288095	-.0575071	.1123650	-.0510677	.0996274	-.0459236
.190	.1272496	-.0604070	.1109604	-.0536367	.0983554	-.0482293
.200	.1256150	-.0632603	.1094909	-.0561635	.0970187	-.0504963
.225	.1212118	-.0701761	.1055333	-.0622850	.0934249	-.0559830
.250	.1163764	-.0767560	.1011886	-.0680976	.0894807	-.0611906
.275	.1111359	-.0829705	.0964818	-.0735806	.0852092	-.0660945
.300	.1055199	-.0887922	.0914398	-.0787072	.0806351	-.0706725
.325	.0995595	-.0941963	.0860912	-.0834551	.0757849	-.0749040
.350	.0932879	-.0991605	.0804663	-.0878043	.0706865	-.0787710
.400	.0799507	-.1076939	.0685152	-.0952393	.0598619	-.0855505
.450	.0657992	-.1142707	.0558522	-.1009041	.0484061	-.0903139
.500	.0511372	-.1188171	.0427542	-.1047346	.0365737	-.0936049
.550	.0362734	-.1213081	.0295025	-.1067114	.0246227	-.0952086
.600	.0215134	-.1217672	.0163746	-.1068601	.0128074	-.0951510
.650	.0071516	-.1202653	.0036377	-.1052489	.0013721	-.0954982
.700	-.0065358	-.1169172	-.0084587	-.1019867	-.0094557	-.0903532
.750	-.0192979	-.1118781	-.0196886	-.0972189	-.0194706	-.0858326
.800	-.0309149	-.1055386	-.0298552	-.0911227	-.0284946	-.0801620
.850	-.0412030	-.0975181	-.0387954	-.0859016	-.0363813	-.0754708
.900	-.0500187	-.0886589	-.0463850	-.0757792	-.0430186	-.0659865
.950	-.0572609	-.0790184	-.0525316	-.0669924	-.0483315	-.0579282
1.000	-.0628726	-.0688623	-.0571951	-.0577845	-.0522824	-.0495206
1.100	-.0691960	-.0480606	-.0620850	-.0390708	-.0561348	-.0325438
1.200	-.0693865	-.0282602	-.0614677	-.0214591	-.0549979	-.0167210
1.300	-.0644281	-.0111552	-.0562906	-.0064670	-.0497807	-.0054257
1.400	-.0557382	+.0020444	-.0478886	+.0048575	-.0417414	+.0063943
1.500	-.0449758	+.0106906	-.0378014	+.0119223	-.0323155	+.0122933
1.600	-.0338219	+.0147415	-.0275787	+.0148093	-.0229535	+.0143402
1.700	-.0237998	+.0147052	-.0185961	+.0140250	-.0148493	+.0130684
1.800	-.0160895	+.0115314	-.0119029	+.0104941	-.0090029	+.0093723
1.900	-.0114252	+.0064561	-.0081212	+.0053909	-.0059267	+.0043658
2.000	-.0100322	+.0008223	-.0074033	-.0000300	-.0057126	-.0007776

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(g) M = 2.0 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999917	-.0012121	.0909014	-.0011111	.0833263	-.0010256
.010	.0999667	-.0024239	.0908788	-.0022219	.0833048	-.0020510
.015	.0999250	-.0036352	.0908399	-.0033323	.0832691	-.0030759
.020	.0998667	-.0048458	.0907861	-.0044420	.0832191	-.0041002
.025	.0997918	-.0060554	.0907169	-.0055507	.0831549	-.0051237
.030	.0997002	-.0072657	.0906324	-.0066583	.0830764	-.0061460
.035	.0995921	-.0084705	.0905325	-.0077845	.0829857	-.0071671
.040	.0994673	-.0096756	.0904174	-.0088690	.0828768	-.0081866
.045	.0993261	-.0108787	.0902870	-.0099717	.0827557	-.0092044
.050	.0991683	-.0120795	.0901414	-.0110724	.0826205	-.0102202
.055	.0989941	-.0132778	.0899806	-.0121707	.0824712	-.0112339
.060	.0988035	-.0144734	.0898046	-.0132664	.0823078	-.0122452
.065	.0986964	-.0156660	.0896135	-.0143594	.0821304	-.0132540
.070	.0985731	-.0168555	.0894074	-.0154494	.0819389	-.0142599
.075	.0981334	-.0180412	.0891862	-.0165361	.0817336	-.0152628
.080	.0978776	-.0192254	.0889500	-.0176194	.0815143	-.0162624
.085	.0976056	-.0204016	.0886990	-.0186990	.0812812	-.0172587
.090	.0973173	-.0215755	.0884331	-.0197747	.0810343	-.0182513
.095	.0970133	-.0227451	.0881524	-.0208468	.0807737	-.0192400
.100	.0966933	-.0239099	.0878570	-.0219135	.0804995	-.0202247
.105	.0963573	-.0250698	.0875469	-.0229761	.0802116	-.0212051
.110	.0960056	-.0262246	.0872223	-.0240340	.0799102	-.0221810
.115	.0956381	-.0273739	.0868832	-.0250868	.0795954	-.0231523
.120	.0952550	-.0285177	.0865297	-.0261344	.0792672	-.0241186
.125	.0948564	-.0296555	.0861619	-.0271766	.0789257	-.0250799
.130	.0944424	-.0307875	.0857798	-.0282131	.0785710	-.0260360
.135	.0940130	-.0319127	.0853836	-.0292437	.0782032	-.0269865
.140	.0935684	-.0330316	.0849733	-.0302682	.0778224	-.0279313
.145	.0931087	-.0341437	.0845491	-.0312865	.0774286	-.0288703
.150	.0926340	-.0352488	.0841110	-.0322983	.0770220	-.0298033
.160	.0916399	-.0374371	.0831938	-.0343014	.0761706	-.0316501
.170	.0905872	-.0395948	.0822226	-.0362762	.0752691	-.0334705
.180	.0894768	-.0417200	.0811982	-.0382208	.0743185	-.0352628
.190	.0883098	-.0438112	.0801216	-.0401339	.0733192	-.0370256
.200	.0870873	-.0458667	.0789959	-.0420138	.0722727	-.0387574
.225	.0837961	-.0508586	.0759584	-.0465588	.0694561	-.0429428
.250	.0801850	-.0555550	.0726285	-.0508650	.0663669	-.0469054
.275	.0762752	-.0599877	.0690242	-.0549116	.0630237	-.0506260
.300	.0720898	-.0641218	.0651667	-.0586795	.0594466	-.0540868
.325	.0676552	-.0679567	.0610790	-.0621516	.0556571	-.0572719
.350	.0629913	-.0714159	.0567851	-.0653125	.0516775	-.0601671
.400	.0531004	-.0773117	.0476801	-.0706499	.0432431	-.0650406
.450	.0426432	-.0817209	.0380623	-.0746114	.0343407	-.0686534
.500	.0318554	-.0845936	.0281509	-.0771518	.0251750	-.0709046
.550	.0209792	-.0859179	.0181673	-.0782620	.0159528	-.0718472
.600	.0102374	-.0857206	.0082941	-.0779688	.0068773	-.0714876
.650	-.0001530	-.0840650	-.0011545	-.0763328	-.0018576	-.0698843
.700	-.0099272	-.0810488	-.0100912	-.0734471	-.0100721	-.0671256
.750	-.0189569	-.0768007	-.0185071	-.0694330	-.0176054	-.0632264
.800	-.0270599	-.0714760	-.0256534	-.0644367	-.0243197	-.0586250
.850	-.0341034	-.0652517	-.0320086	-.0586246	-.0301037	-.0531776
.900	-.0399871	-.0583214	-.0372821	-.0521775	-.0348745	-.0471547
.950	-.0446848	-.0508888	-.0414152	-.0452860	-.0385797	-.0407547
1.000	-.0480458	-.0431622	-.0443823	-.0381442	-.0411979	-.0340993
1.100	-.0511270	-.0276465	-.0468774	-.0238710	-.0432389	-.0208953
1.200	-.0496553	-.0133066	-.0451862	-.0107762	-.0414100	-.0088561
1.300	-.0444956	-.0013949	-.0401427	-.0000095	-.0365096	+.0009510
1.400	-.0368415	+.0072397	-.0328702	+.0076652	-.0296026	+.0078512
1.500	-.0280337	+.0122202	-.0246286	+.0119195	-.0218748	+.0115078
1.600	-.0193985	+.0136495	-.0166527	+.0128876	-.0144803	+.0121266
1.700	-.0120865	+.0120603	-.0100032	+.0110943	-.0084017	+.0102060
1.800	-.0064437	+.0083146	-.0054482	+.0073690	-.0043400	+.0065428
1.900	-.0044309	+.0034689	-.0033879	+.0027142	-.0026454	+.0020896
2.000	-.0045951	-.0013771	-.0038510	-.0018576	-.0032985	-.0021818

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(h) $M = 2.5$

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999745	-.0059523	.4999809	-.0059682	.3333180	-.0029761
.010	.9998980	-.0119041	.4999235	-.0079360	.3332721	-.0059519
.015	.9997704	-.0178548	.4998278	-.0119029	.3331956	-.0089270
.020	.9995919	-.0238039	.4996959	-.0158686	.3330885	-.0119010
.025	.9993624	-.0297510	.4995218	-.0198326	.3329508	-.0148757
.030	.9990820	-.0356955	.4993115	-.0237945	.3327825	-.0178446
.035	.9987506	-.0416368	.4990650	-.0277539	.3325888	-.0208134
.040	.9983684	-.0475744	.4987704	-.0317103	.3323545	-.0237798
.045	.9979355	-.0535079	.4984516	-.0356635	.3320947	-.0267434
.050	.9974515	-.0594367	.4980888	-.0396129	.3318045	-.0297038
.055	.9969169	-.0653603	.4976880	-.0435581	.3314889	-.0326608
.060	.9963317	-.0712781	.4972492	-.0474987	.3311329	-.0356140
.065	.9956959	-.0771897	.4967725	-.0514343	.3307517	-.0385630
.070	.9950096	-.0830945	.4962580	-.0553645	.3303402	-.0415074
.075	.9942728	-.0889920	.4957057	-.0592888	.3298985	-.0444471
.080	.9934857	-.0948817	.4951156	-.0632070	.3294266	-.0473815
.085	.9926485	-.1007631	.4944880	-.0671184	.3289247	-.0503104
.090	.9917608	-.1066356	.4938228	-.0710229	.3283928	-.0532334
.095	.9908232	-.1124988	.4931201	-.0749198	.3278310	-.0561502
.100	.9898357	-.1183522	.4923801	-.0788089	.3272395	-.0590604
.105	.9887984	-.1241952	.4916028	-.0826896	.3266179	-.0619637
.110	.9877113	-.1300273	.4907885	-.0865617	.3259668	-.0648598
.115	.9865747	-.1358481	.4899368	-.0904247	.3252861	-.0677483
.120	.9853886	-.1416570	.4890485	-.0942782	.3245759	-.0706289
.125	.9841532	-.1474535	.4881230	-.0981218	.3238363	-.0735012
.130	.9828686	-.1532371	.4871609	-.1019551	.3230675	-.0763650
.135	.9815350	-.1590073	.4861623	-.1057778	.3222694	-.0792199
.140	.9801526	-.1647636	.4851271	-.1095895	.3214423	-.0820655
.145	.9787215	-.1705056	.4840557	-.1133893	.3205862	-.0849016
.150	.9772418	-.1762327	.4829481	-.1171775	.3197013	-.0877278
.160	.9741376	-.1876403	.4806248	-.1247166	.3178455	-.0933492
.170	.9708413	-.1989825	.4781585	-.1322035	.3158759	-.0989272
.180	.9673547	-.2102556	.4755505	-.1396351	.3137935	-.1044592
.190	.9636792	-.2214556	.4728022	-.1470085	.3115996	-.1099426
.200	.9598166	-.2325787	.4699149	-.1543205	.3092955	-.1153751
.225	.9495553	-.2600260	.4620988	-.1723129	.3030602	-.1287171
.250	.9377823	-.2869125	.4534490	-.1898582	.2961651	-.1416875
.275	.9250768	-.3131829	.4439952	-.2069128	.2886837	-.1542505
.300	.9113335	-.3387841	.4337618	-.2234349	.2804919	-.1663711
.325	.8965715	-.3636652	.4227875	-.2393844	.2717674	-.1780170
.350	.8808530	-.3877778	.4111045	-.2547258	.2624901	-.1891573
.400	.8466072	-.4335175	.3857641	-.2834322	.2424046	-.2098072
.450	.8090404	-.4756715	.3580583	-.3093052	.2205060	-.2281149
.500	.7685491	-.5139567	.3283304	-.3321291	.1970861	-.2439101
.550	.7255756	-.5481417	.2969441	-.3517342	.1724553	-.2570610
.600	.6805812	-.5780490	.2642772	-.3679965	.1469273	-.2674753
.650	.6340393	-.6035571	.2307160	-.3808391	.1208535	-.2751011
.700	.5864283	-.6246003	.1966489	-.3902319	.0944982	-.2799273
.750	.5382246	-.6411689	.1624606	-.3961920	.0682431	-.2819850
.800	.4898961	-.6533076	.1285263	-.3987816	.0423802	-.2813357
.850	.4418953	-.6611136	.0952060	-.3981061	.0172069	-.2780901
.900	.3946532	-.6647534	.0628393	-.3943118	-.0069983	-.2723850
.950	.3485740	-.6643596	.0317414	-.3875821	-.0299800	-.2643905
1.000	.3040295	-.6602260	.0021970	-.3781336	-.0515094	-.2543041
1.100	.2208458	-.6417927	-.0512561	-.3520866	-.0894470	-.2287592
1.200	.1472857	-.6119577	-.0959427	-.3185922	-.1196137	-.1977218
1.300	.0848162	-.5734751	-.1309132	-.2794895	-.1413674	-.1633205
1.400	.0341598	-.5293351	-.1558591	-.2378624	-.1546259	-.1276883
1.500	-.0046804	-.4823733	-.1710811	-.1958783	-.1598312	-.0928212
1.600	-.0323493	-.4352013	-.1774160	-.1556412	-.1578777	-.0604505
1.700	-.0500297	-.3900450	-.1761310	-.1188762	-.1500119	-.0319466
1.800	-.0593030	-.3488655	-.1687953	-.0868492	-.1377122	-.0082557
1.900	-.0619940	-.3121904	-.1571296	-.0603268	-.1225598	+.0101376
2.000	-.0600121	-.2813206	-.1428854	-.0395766	-.1061114	+.0231813

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(h) M = 2.5 - Continued

k	$\left(f_3\right)_R$	$\left(f_3\right)_I$	$\left(f_4\right)_R$	$\left(f_4\right)_I$	$\left(f_5\right)_R$	$\left(f_5\right)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499872	−.0023809	.1999891	−.0019841	.1666571	−.0017006
.010	.2499490	−.0047615	.1999565	−.0039679	.1666284	−.0034011
.015	.2498852	−.0071415	.1999016	−.0059512	.1665806	−.0051010
.020	.2497960	−.0095206	.1998251	−.0079337	.1665136	−.0068002
.025	.2496812	−.0118985	.1997268	−.0099152	.1664276	−.0084986
.030	.2495410	−.0142750	.1996066	−.0118954	.1663224	−.0101957
.035	.2493754	−.0166496	.1994646	−.0138739	.1661982	−.0118915
.040	.2491843	−.0190221	.1993009	−.0158507	.1660549	−.0135856
.045	.2489679	−.0213923	.1991153	−.0178254	.1658926	−.0152779
.050	.2487260	−.0237598	.1989081	−.0197977	.1657113	−.0169681
.055	.2484589	−.0261242	.1986791	−.0217674	.1655110	−.0186560
.060	.2481665	−.0284855	.1984285	−.0237343	.1652917	−.0203413
.065	.2478488	−.0308431	.1981565	−.0256980	.1650535	−.0220238
.070	.2475060	−.0331969	.1978625	−.0276584	.1647964	−.0237034
.075	.2471380	−.0355465	.1975471	−.0296151	.1645205	−.0253797
.080	.2467449	−.0378916	.1972102	−.0315679	.1642258	−.0270525
.085	.2463268	−.0402320	.1968519	−.0335165	.1639124	−.0287217
.090	.2458837	−.0425674	.1964722	−.0354608	.1635802	−.0303869
.095	.2454157	−.0448974	.1960712	−.0374004	.1632294	−.0320480
.100	.2449228	−.0472219	.1956489	−.0393350	.1628600	−.0337047
.105	.2444052	−.0495404	.1952054	−.0412645	.1624721	−.0353569
.110	.2438629	−.0518527	.1947408	−.0431886	.1620657	−.0370042
.115	.2432960	−.0541585	.1942551	−.0451070	.1616409	−.0386464
.120	.2427046	−.0564575	.1937484	−.0470194	.1611977	−.0402834
.125	.2420887	−.0587495	.1932208	−.0489257	.1607362	−.0419149
.130	.2414485	−.0610341	.1926724	−.0508256	.1602566	−.0435407
.135	.2407840	−.0633111	.1921032	−.0527188	.1597588	−.0451606
.140	.2400953	−.0655802	.1915133	−.0546051	.1592429	−.0467743
.145	.2393826	−.0678411	.1909029	−.0564842	.1587091	−.0483817
.150	.2386460	−.0700935	.1902719	−.0583559	.1581574	−.0499825
.160	.2371012	−.0745719	.1889490	−.0620761	.1570006	−.0531684
.170	.2354619	−.0790151	.1875453	−.0657689	.1557764	−.0563155
.180	.2337291	−.0834148	.1860617	−.0694172	.1544784	−.0594370
.190	.2319038	−.0877751	.1844991	−.0730342	.1531105	−.0625263
.200	.2299870	−.0920917	.1828585	−.0766130	.1516765	−.0655817
.225	.2248023	−.1026785	.1784218	−.0853815	.1477997	−.0730614
.250	.2190718	−.1129475	.1735203	−.0938719	.1435180	−.0802946
.275	.2128164	−.1228680	.1681723	−.1020582	.1388481	−.0872577
.300	.2060585	−.1324108	.1623977	−.1099148	.1338080	−.0939284
.325	.1988225	−.1415480	.1562185	−.1174176	.1284169	−.1002855
.350	.1911343	−.1502538	.1496569	−.1245442	.1226956	−.1063088
.400	.1745125	−.1662750	.1354868	−.1375861	.1103505	−.1172829
.450	.1564288	−.1803023	.1200960	−.1488928	.0969599	−.1267214
.500	.1371369	−.1921950	.1037089	−.1583448	.0827247	−.1345209
.550	.1169043	−.2018462	.0865614	−.1658531	.0678561	−.1406053
.600	.0960076	−.2091840	.0688975	−.1713596	.0525719	−.1449265
.650	.0747280	−.2141722	.0509042	−.1748582	.0370925	−.1474655
.700	.0533462	−.2168102	.0330077	−.1762945	.0216570	−.1482312
.750	.0321581	−.2171524	.0152693	−.1757654	.0064195	−.1472615
.800	.0113700	−.2152071	−.0020191	−.1733174	−.0085946	−.1446204
.850	−.0087054	−.2111346	−.0186582	−.1690454	−.0224924	−.1403973
.900	−.0278531	−.2050447	−.0343856	−.1630703	−.0358160	−.1347047
.950	−.0458594	−.1970939	−.0490782	−.1555365	−.0481658	−.1276756
1.000	−.0625550	−.1874620	−.0625553	−.1466077	−.0594027	−.1194611
1.100	−.0912730	−.1639698	−.0853451	−.1253049	−.0780971	−.1001492
1.200	−.1131235	−.1363289	−.1019894	−.1007478	−.0912653	−.0782081
1.300	−.1276390	−.1064170	−.1121792	−.0746103	−.0985727	−.0551449
1.400	−.1348673	−.0760922	−.1160124	−.0485317	−.1004967	−.0324222
1.500	−.1353142	−.0470656	−.1140459	−.0240018	−.0972687	−.0113543
1.600	−.1298737	−.0207914	−.1071393	−.0022639	−.0898210	+.0069797
1.700	−.1197358	+.0016164	−.0964104	+.0157582	−.0792008	+.0217999
1.800	−.1062652	+.0194376	−.0831235	+.0295038	−.0665744	+.0326627
1.900	−.0909030	+.0323657	−.0685811	+.0387880	−.0531271	+.0394684
2.000	−.0750323	+.0404841	−.0540191	+.0437834	−.0399968	+.0424410

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(h) M = 2.5 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428486	-.0014881	.1249924	-.0013227	.1111042	-.0011904
.010	.1428231	-.0029759	.1249694	-.0026452	.1110833	-.0023807
.015	.1427806	-.0044633	.1249311	-.0039674	.1110485	-.0035706
.020	.1427211	-.0059501	.1248776	-.0052890	.1109998	-.0047600
.025	.1426446	-.0074361	.1248087	-.0066098	.1109372	-.0059487
.030	.1425512	-.0089210	.1247246	-.0079297	.1108608	-.0071366
.035	.1424407	-.0104047	.1246252	-.0092484	.1107704	-.0083234
.040	.1423134	-.0118869	.1245106	-.0105658	.1106662	-.0095089
.045	.1421691	-.0133675	.1243808	-.0118817	.1105482	-.0106931
.050	.1420079	-.0148461	.1242357	-.0131958	.1104163	-.0118757
.055	.1418299	-.0163227	.1240755	-.0145081	.1102707	-.0130566
.060	.1416350	-.0177970	.1239001	-.0158185	.1101112	-.0142356
.065	.1414233	-.0192687	.1237096	-.0171262	.1099381	-.0154124
.070	.1411948	-.0207378	.1235040	-.0184317	.1097512	-.0165871
.075	.1409496	-.0222040	.1232833	-.0197345	.1095506	-.0177593
.080	.1406877	-.0236670	.1230476	-.0210345	.1093363	-.0189289
.085	.1404091	-.0251267	.1227969	-.0223314	.1091084	-.0200957
.090	.1401139	-.0265829	.1225313	-.0236252	.1088670	-.0212596
.095	.1398022	-.0280354	.1222508	-.0249156	.1086120	-.0224204
.100	.1394739	-.0294859	.1219554	-.0262023	.1083435	-.0235779
.105	.1391291	-.0309285	.1216451	-.0274854	.1080615	-.0247320
.110	.1387680	-.0323684	.1213202	-.0287645	.1077662	-.0258824
.115	.1383905	-.0338039	.1209805	-.0300394	.1074574	-.0270291
.120	.1379966	-.0352347	.1206262	-.0313101	.1071354	-.0281718
.125	.1375866	-.0366605	.1202573	-.0325768	.1068001	-.0293104
.130	.1371604	-.0380813	.1198738	-.0338378	.1064516	-.0304448
.135	.1367181	-.0394966	.1194759	-.0350944	.1060899	-.0315747
.140	.1362598	-.0409065	.1190635	-.0363460	.1057152	-.0327000
.145	.1357855	-.0423106	.1186369	-.0375925	.1053275	-.0338205
.150	.1352954	-.0437088	.1181959	-.0388335	.1049267	-.0349361
.160	.1342677	-.0464867	.1172715	-.0412988	.1040867	-.0371519
.170	.1331776	-.0492386	.1162909	-.0437405	.1031956	-.0393460
.180	.1320255	-.0519650	.1152547	-.0461571	.1022541	-.0415173
.190	.1308124	-.0546585	.1141636	-.0485475	.1012628	-.0436644
.200	.1295389	-.0573234	.1130184	-.0509101	.1002224	-.0457861
.225	.1260966	-.0638430	.1099231	-.0566870	.0974107	-.0509717
.250	.1222959	-.0701410	.1065064	-.0622627	.0943076	-.0559729
.275	.1181519	-.0761962	.1027820	-.0676180	.0909258	-.0607723
.300	.1136808	-.0819887	.0987649	-.0727347	.0872791	-.0653553
.325	.1089003	-.0874995	.0944711	-.0775957	.0833823	-.0697002
.350	.1038291	-.0927107	.0899178	-.0821850	.0792512	-.0737985
.400	.0928948	-.1021706	.0801061	-.0904907	.0703559	-.0811966
.450	.0810473	-.1102536	.0694847	-.0975486	.0607297	-.0874541
.500	.0684687	-.1168686	.0582199	-.1032775	.0505319	-.0924975
.550	.0553500	-.1219494	.0464861	-.1076188	.0399208	-.0962746
.600	.0418881	-.1254555	.0344627	-.1105378	.0290611	-.0987551
.650	.0282817	-.1273724	.0223308	-.1120237	.0181192	-.0999310
.700	.0147280	-.1277121	.0102697	-.1120895	.0072592	-.0998161
.750	.0014195	-.1265114	-.0015460	-.1107717	-.0033590	-.0984458
.800	-.0114599	-.1238518	-.0129499	-.1081288	-.0135855	-.0958757
.850	-.0237377	-.1197575	-.0237862	-.1042399	-.0232723	-.0921608
.900	-.0352559	-.1143533	-.0339127	-.0992034	-.0322963	-.0874530
.950	-.0458731	-.1078627	-.0432029	-.0931339	-.0405411	-.0817997
1.000	-.0554673	-.1005050	-.0515482	-.0861607	-.0479092	-.0755412
1.100	-.0712040	-.0827284	-.0650677	-.0700740	-.0597157	-.0605385
1.200	-.0819285	-.0629732	-.0740091	-.0521537	-.0673132	-.0441650
1.300	-.0874752	-.0424137	-.0782556	-.0336516	-.0706177	-.0273731
1.400	-.0880435	-.0223657	-.0780165	-.0157692	-.0698531	-.0112592
1.500	-.0841595	-.0040019	-.0738107	+.0004491	-.0655161	+.0032172
1.600	-.0766157	+.0117287	-.0663889	+.0141476	-.0588215	+.0152985
1.700	-.0665923	+.0241580	-.0566695	+.0247502	-.0491310	+.0244756
1.800	-.0545674	+.0329298	-.0456524	+.0319677	-.0388752	+.0305114
1.900	-.0422248	+.0380047	-.0343330	+.0358034	-.0284730	+.0334400
2.000	-.0303662	+.0396576	-.0236218	+.0365306	-.0187565	+.0335443

TABLE I.- VALUES OF $f_\lambda(M,\tilde{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(h) M = 2.5 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999957	−.0010822	.0909032	−.0009920	.0833279	−.0009157
.010	.0999745	−.0021643	.0908855	−.0019859	.0833115	−.0018313
.015	.0999426	−.0032460	.0908561	−.0029735	.0832841	−.0027466
.020	.0998980	−.0043273	.0908149	−.0039667	.0832459	−.0036615
.025	.0998406	−.0054079	.0907620	−.0049572	.0831967	−.0045758
.030	.0997705	−.0064877	.0906973	−.0059470	.0831366	−.0054895
.035	.0996877	−.0075666	.0906208	−.0069359	.0830657	−.0064023
.040	.0995922	−.0086443	.0905327	−.0079238	.0829838	−.0073141
.045	.0994840	−.0097207	.0904328	−.0089104	.0828911	−.0082248
.050	.0993631	−.0107957	.0903212	−.0098958	.0827875	−.0091343
.055	.0992296	−.0118691	.0901980	−.0108796	.0826730	−.0100424
.060	.0990835	−.0129407	.0900631	−.0118618	.0825478	−.0109489
.065	.0989247	−.0140104	.0899166	−.0128422	.0824117	−.0118538
.070	.0987534	−.0150780	.0897584	−.0138207	.0822649	−.0127568
.075	.0985696	−.0161434	.0895887	−.0147971	.0821073	−.0136580
.080	.0983732	−.0172064	.0894075	−.0157712	.0819390	−.0145570
.085	.0981643	−.0182668	.0892147	−.0167430	.0817600	−.0154539
.090	.0979430	−.0193246	.0890104	−.0177123	.0815704	−.0163484
.095	.0977093	−.0203794	.0887947	−.0186789	.0813701	−.0172404
.100	.0974632	−.0214312	.0885676	−.0196428	.0811592	−.0181297
.105	.0972048	−.0224799	.0883291	−.0206036	.0809377	−.0190164
.110	.0969341	−.0235252	.0880792	−.0215614	.0807058	−.0199001
.115	.0966511	−.0245670	.0878181	−.0225159	.0804633	−.0207808
.120	.0963560	−.0256052	.0875457	−.0234671	.0802104	−.0216584
.125	.0960487	−.0266396	.0872621	−.0244147	.0799471	−.0225327
.130	.0957293	−.0276700	.0869673	−.0253586	.0796734	−.0234035
.135	.0953979	−.0286964	.0866614	−.0262988	.0793895	−.0242708
.140	.0950545	−.0297184	.0863445	−.0272350	.0790955	−.0251345
.145	.0946991	−.0307361	.0860166	−.0281671	.0787908	−.0259943
.150	.0943319	−.0317493	.0856777	−.0290950	.0784762	−.0268501
.160	.0935621	−.0337613	.0849674	−.0309376	.0778168	−.0285495
.170	.0927457	−.0357534	.0842140	−.0327616	.0771174	−.0302317
.180	.0918830	−.0377244	.0834180	−.0345661	.0763785	−.0318953
.190	.0909748	−.0396731	.0825800	−.0363499	.0756007	−.0335400
.200	.0900215	−.0415984	.0817005	−.0381119	.0747843	−.0351643
.225	.0874458	−.0463020	.0793243	−.0424153	.0725790	−.0391301
.250	.0846057	−.0508356	.0767027	−.0465610	.0701461	−.0429487
.275	.0815069	−.0551831	.0738466	−.0505339	.0674961	−.0466062
.300	.0781682	−.0593291	.0707680	−.0543199	.0646401	−.0500895
.325	.0746014	−.0632594	.0674797	−.0579059	.0615901	−.0533861
.350	.0708211	−.0669606	.0639954	−.0612793	.0583589	−.0564847
.400	.0626827	−.0736271	.0564971	−.0673441	.0514075	−.0620461
.450	.0538854	−.0792432	.0484968	−.0724355	.0439015	−.0667006
.500	.0445710	−.0837420	.0398252	−.0764922	.0359643	−.0703917
.550	.0348878	−.0870765	.0309218	−.0794713	.0277251	−.0730801
.600	.0249884	−.0892199	.0218279	−.0813491	.0193164	−.0747444
.650	.0150263	−.0901662	.0126862	−.0821211	.0108714	−.0753813
.700	.0051530	−.0899296	.0036373	−.0818017	.0025213	−.0750054
.750	−.0044842	−.0885444	−.0051822	−.0804241	−.0056066	−.0736486
.800	−.0137455	−.0860638	−.0136430	−.0780388	−.0133920	−.0713591
.850	−.0225007	−.0825583	−.0216247	−.0747129	−.0207231	−.0682007
.900	−.0306316	−.0781148	−.0290185	−.0705281	−.0274989	−.0642508
.950	−.0380539	−.0728637	−.0357286	−.0655792	−.0336311	−.0595986
1.000	−.0446190	−.0668276	−.0416740	−.0599718	−.0390450	−.0543437
1.100	−.0550690	−.0531348	−.0510272	−.0472441	−.0474960	−.0424609
1.200	−.0616268	−.0380780	−.0567627	−.0333186	−.0525687	−.0295156
1.300	−.0642346	−.0227245	−.0588426	−.0191882	−.0542412	−.0164361
1.400	−.0631202	−.0080843	−.0574957	−.0057889	−.0527408	−.0040938
1.500	−.0587653	+.0049646	−.0531889	+.0060708	−.0485120	+.0067627
1.600	−.0518422	+.0157864	−.0465521	+.0157657	−.0421687	+.0155597
1.700	−.0431679	+.0237800	−.0385650	+.0228924	−.0344338	+.0219338
1.800	−.0335094	+.0288989	−.0294370	+.0272874	−.0260729	+.0257480
1.900	−.0240186	+.0311501	−.0205612	+.0290240	−.0178273	+.0270876
2.000	−.0151605	+.0308205	−.0124442	+.0283895	−.0103528	+.0262377

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(i) M = 3.0

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999777	−.0056249	.4999833	−.0037499	.3333200	−.0028125
.010	.9999109	−.0112494	.4999332	−.0074996	.3332799	−.0056246
.015	.9997996	−.0168731	.4998497	−.0112485	.3332131	−.0084363
.020	.9996438	−.0224956	.4997329	−.0149965	.3331196	−.0112470
.025	.9994435	−.0281162	.4995826	−.0187431	.3329994	−.0140567
.030	.9991987	−.0337351	.4993990	−.0224880	.3328526	−.0168650
.035	.9989094	−.0393513	.4991821	−.0262310	.3326790	−.0196716
.040	.9985757	−.0449646	.4989319	−.0299717	.3324789	−.0224784
.045	.9981977	−.0505746	.4986485	−.0337097	.3322521	−.0252789
.050	.9977752	−.0561808	.4983316	−.0374447	.3319987	−.0280789
.055	.9973085	−.0617829	.4979816	−.0411764	.3317187	−.0308761
.060	.9967975	−.0673805	.4975984	−.0449044	.3314122	−.0336703
.065	.9962422	−.0729731	.4971821	−.0486285	.3310792	−.0364612
.070	.9956428	−.0785603	.4967327	−.0523482	.3307198	−.0392485
.075	.9949993	−.0841417	.4962502	−.0560634	.3303339	−.0420320
.080	.9943117	−.0897169	.4957347	−.0597736	.3299217	−.0448113
.085	.9935801	−.0952855	.4951863	−.0634784	.3294831	−.0475862
.090	.9928047	−.1008471	.4946051	−.0671777	.3290183	−.0503565
.095	.9919853	−.1064012	.4939909	−.0708710	.3285272	−.0531217
.100	.9911223	−.1119476	.4933441	−.0745581	.3280100	−.0558818
.105	.9902155	−.1174856	.4926645	−.0782386	.3274666	−.0586364
.110	.9892652	−.1230150	.4919524	−.0819122	.3268972	−.0613852
.115	.9882714	−.1285354	.4912077	−.0855785	.3263018	−.0641280
.120	.9872341	−.1340465	.4904305	−.0892372	.3256805	−.0668645
.125	.9861534	−.1395474	.4896210	−.0928881	.3250334	−.0695944
.130	.9850298	−.1450382	.4887791	−.0965308	.3243604	−.0723175
.135	.9838650	−.1505185	.4879051	−.1001650	.3236619	−.0750335
.140	.9826552	−.1559874	.4869990	−.1037903	.3229377	−.0777422
.145	.9814005	−.1614450	.4860608	−.1074065	.3221880	−.0804432
.150	.9801050	−.1668908	.4850908	−.1110132	.3214128	−.0831363
.160	.9773865	−.1777452	.4830553	−.1181969	.3197865	−.0884979
.170	.9744984	−.1885475	.4808836	−.1253390	.3180595	−.0938248
.180	.9714421	−.1992945	.4786008	−.1324370	.3162326	−.0991150
.190	.9682185	−.2099833	.4761947	−.1394884	.3143066	−.1043664
.200	.9648291	−.2206106	.4736595	−.1464907	.3122825	−.1095770
.225	.9556881	−.2468903	.4667888	−.1637664	.3067988	−.1224120
.250	.9454403	−.2727206	.4591717	−.1806885	.3007230	−.1349490
.275	.9342597	−.2980564	.4508284	−.1972063	.2940722	−.1471580
.300	.9221230	−.3228554	.4417807	−.2132999	.2868654	−.1590107
.325	.9090587	−.3470692	.4320526	−.2289310	.2791228	−.1704795
.350	.8950976	−.3706650	.4216695	−.2440674	.2708662	−.1815376
.400	.8646180	−.4158500	.3990485	−.2727355	.2529052	−.2023242
.450	.8309680	−.4580843	.3741529	−.2990792	.2331829	−.2211874
.500	.7944579	−.4971083	.3472591	−.3229010	.2119175	−.2379677
.550	.7554209	−.5327895	.3185816	−.3440331	.1894425	−.2525318
.600	.7142085	−.5647723	.2884696	−.3623391	.1657031	−.2647736
.650	.6711865	−.5930599	.2572029	−.3777159	.1412531	−.2746154
.700	.6267505	−.6174951	.2250885	−.3900931	.1162511	−.2820085
.750	.5812211	−.6380112	.1924355	−.3994348	.0909581	−.2869335
.800	.5350399	−.6545814	.1595534	−.4057385	.0656325	−.2893997
.850	.4885648	−.6672186	.1267462	−.4090351	.0405281	−.2894451
.900	.4421655	−.6759747	.0943097	−.4095875	.0158907	−.2871349
.950	.3961992	−.6809585	.0625279	−.4068886	−.0080458	−.2825604
1.000	.3510077	−.6822334	.0316694	−.4016614	−.0310611	−.2758772
1.100	.2642128	−.6744748	−.0262964	−.3856408	−.0735345	−.2565155
1.200	.1840623	−.6542922	−.0778487	−.3567877	−.1101434	−.2304960
1.300	.1123881	−.6236521	−.1216497	−.3228632	−.1398618	−.1993368
1.400	.0505156	−.5847755	−.1568072	−.2857723	−.1620589	−.1641524
1.500	−.0007642	−.5400132	−.1828914	−.2415542	−.1765100	−.1284201
1.600	−.0411910	−.4917210	−.1999258	−.1981731	−.1835825	−.0920795
1.700	−.0710038	−.4421427	−.2085526	−.1554686	−.1832017	−.0572471
1.800	−.0908858	−.3935070	−.2089758	−.1150585	−.1761956	−.0252632
1.900	−.1018772	−.3469439	−.2028886	−.0782709	−.1652261	+.0028870
2.000	−.1055028	−.3044248	−.1913871	−.0460971	−.1497097	+.0264091

TABLE I.- VALUES OF $r_\lambda(M,\bar\omega) = (r_\lambda)_R + i(r_\lambda)_I$ - Continued

(1) M = 3.0 - Continued

k	$(r_3)_R$	$(r_3)_I$	$(r_4)_R$	$(r_4)_I$	$(r_5)_R$	$(r_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499889	−.0022500	.1999905	−.0018750	.1666583	−.0016071
.010	.2499555	−.0044997	.1999618	−.0037497	.1666333	−.0032140
.015	.2498998	−.0067489	.1999141	−.0056241	.1665915	−.0048206
.020	.2498219	−.0089975	.1998475	−.0074978	.1665331	−.0064266
.025	.2497217	−.0112451	.1997615	−.0093707	.1664580	−.0080319
.030	.2495994	−.0134915	.1996566	−.0112425	.1663662	−.0096362
.035	.2494548	−.0157364	.1995327	−.0131131	.1662578	−.0112395
.040	.2492880	−.0179798	.1993897	−.0149823	.1661327	−.0128414
.045	.2490989	−.0202212	.1992277	−.0168498	.1659909	−.0144419
.050	.2488878	−.0224605	.1990468	−.0187154	.1658326	−.0160407
.055	.2486545	−.0246974	.1988468	−.0205790	.1656577	−.0176377
.060	.2483992	−.0269317	.1986279	−.0224403	.1654662	−.0192326
.065	.2481217	−.0291632	.1983902	−.0242991	.1652581	−.0208254
.070	.2478222	−.0313916	.1981335	−.0261552	.1650336	−.0224157
.075	.2475007	−.0336167	.1978580	−.0280084	.1647925	−.0240035
.080	.2471573	−.0358385	.1975636	−.0298585	.1645350	−.0255885
.085	.2467919	−.0380561	.1972505	−.0317053	.1642611	−.0271706
.090	.2464047	−.0402698	.1969187	−.0335486	.1639708	−.0287496
.095	.2459956	−.0424794	.1965681	−.0353882	.1636641	−.0303253
.100	.2455647	−.0446844	.1961989	−.0372239	.1633411	−.0318975
.105	.2451121	−.0468848	.1958111	−.0390555	.1630018	−.0334660
.110	.2446378	−.0490802	.1954047	−.0408827	.1626463	−.0350307
.115	.2441419	−.0512705	.1949798	−.0427055	.1622746	−.0365914
.120	.2436243	−.0534553	.1945364	−.0445235	.1618868	−.0381479
.125	.2430854	−.0556346	.1940746	−.0463366	.1614829	−.0397000
.130	.2425250	−.0578080	.1935945	−.0481446	.1610630	−.0412476
.135	.2419432	−.0599753	.1930961	−.0499472	.1606271	−.0427905
.140	.2413402	−.0621363	.1925795	−.0517444	.1601752	−.0443284
.145	.2407159	−.0642908	.1920447	−.0535358	.1597075	−.0458613
.150	.2400704	−.0664385	.1914918	−.0553214	.1592240	−.0473889
.160	.2387164	−.0707128	.1903321	−.0588759	.1582098	−.0504278
.170	.2372788	−.0749574	.1891008	−.0624005	.1571332	−.0534435
.180	.2357582	−.0791706	.1877986	−.0658996	.1559946	−.0564349
.190	.2341552	−.0833505	.1864262	−.0693696	.1547947	−.0594005
.200	.2324708	−.0874956	.1849842	−.0728093	.1535341	−.0623389
.225	.2279091	−.0976942	.1810795	−.0812649	.1501212	−.0695577
.250	.2228570	−.1076877	.1767565	−.0894975	.1463438	−.0765786
.275	.2173298	−.1173009	.1720288	−.0974855	.1422140	−.0833821
.300	.2113436	−.1266592	.1669107	−.1052068	.1377448	−.0899494
.325	.2049165	−.1356895	.1614182	−.1126419	.1329503	−.0962625
.350	.1980670	−.1443690	.1555680	−.1197711	.1278458	−.1023043
.400	.1831841	−.1605933	.1428675	−.1330399	.1167719	−.1135109
.450	.1668695	−.1751779	.1289634	−.1448802	.1046619	−.1234521
.500	.1493133	−.1879896	.1140246	−.1551779	.0916667	−.1320285
.550	.1307183	−.1989184	.0982303	−.1638597	.0779470	−.1391591
.600	.1112975	−.2078785	.0817681	−.1707937	.0636707	−.1447826
.650	.0912706	−.2148085	.0648319	−.1759904	.0490110	−.1488577
.700	.0708609	−.2196729	.0476185	−.1794032	.0341435	−.1513639
.750	.0502933	−.2224624	.0303245	−.1810285	.0192436	−.1523011
.800	.0297899	−.2231923	.0131450	−.1808843	.0044844	−.1516897
.850	.0095683	−.2219030	−.0037303	−.1790120	−.0099659	−.1495696
.900	−.0101624	−.2186587	−.0201194	−.1754702	−.0239465	−.1459999
.950	−.0292037	−.2135462	−.0358503	−.1703496	−.0373058	−.1410571
1.000	−.0473700	−.2066753	−.0507631	−.1637413	−.0499036	−.1348843
1.100	−.0804146	−.1881697	−.0775679	−.1465515	−.0723219	−.1189921
1.200	−.1081546	−.1643507	−.0995695	−.1249997	−.0903704	−.0994770
1.300	−.1297737	−.1366109	−.1160997	−.1003436	−.1034895	−.0774321
1.400	−.1448097	−.1064510	−.1268100	−.0739249	−.1114112	−.0540680
1.500	−.1531604	−.0753903	−.1316754	−.0470894	−.1141599	−.0305896
1.600	−.1550688	−.0448810	−.1309774	−.0211103	−.1120355	−.0081271
1.700	−.1510878	−.0162312	−.1252706	+.0028807	−.1055807	+.0123269
1.800	−.1420284	+.0094595	−.1153321	+.0239504	−.0955538	+.0299673
1.900	−.1288949	+.0313481	−.1021021	+.0414049	−.0827719	+.0442130
2.000	−.1128120	+.0488789	−.0866159	+.0548150	−.0682486	+.0547271

TABLE I.- VALUES OF $r_\lambda(M,\bar\omega) = (r_\lambda)_R + i(r_\lambda)_I$ - Continued

(1) M = 3.0 - Continued

k	$(r_6)_R$	$(r_6)_I$	$(r_7)_R$	$(r_7)_I$	$(r_8)_R$	$(r_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428497	−.0014062	.1249951	−.0012500	.1111051	−.0011250
.010	.1428273	−.0028123	.1249753	−.0024998	.1110868	−.0022498
.015	.1427904	−.0042180	.1249398	−.0037495	.1110565	−.0033744
.020	.1427384	−.0056232	.1248931	−.0049984	.1110140	−.0044985
.025	.1426716	−.0070278	.1248531	−.0062469	.1109593	−.0056220
.030	.1425901	−.0084315	.1247595	−.0074946	.1108926	−.0067450
.035	.1424937	−.0098343	.1246729	−.0087414	.1108137	−.0078671
.040	.1423825	−.0112358	.1245728	−.0099871	.1107228	−.0089882
.045	.1422565	−.0126361	.1244594	−.0112317	.1106197	−.0101082
.050	.1421158	−.0140348	.1243328	−.0124748	.1105046	−.0112269
.055	.1419603	−.0154319	.1241927	−.0137165	.1103774	−.0123443
.060	.1417901	−.0168272	.1240396	−.0149566	.1102381	−.0134602
.065	.1416052	−.0182205	.1238731	−.0161948	.1100868	−.0145744
.070	.1414056	−.0196116	.1236933	−.0174310	.1099235	−.0156868
.075	.1411913	−.0210005	.1235002	−.0186652	.1097483	−.0167973
.080	.1409625	−.0223868	.1232941	−.0198971	.1095611	−.0179057
.085	.1407190	−.0237705	.1230752	−.0211266	.1093619	−.0190119
.090	.1404610	−.0251514	.1228424	−.0223536	.1091508	−.0201158
.095	.1401884	−.0265293	.1225962	−.0235778	.1089279	−.0212172
.100	.1399014	−.0279041	.1223379	−.0247992	.1086931	−.0223160
.105	.1395998	−.0292757	.1220666	−.0260177	.1084465	−.0234120
.110	.1392839	−.0306437	.1217828	−.0272329	.1081881	−.0245052
.115	.1389536	−.0320082	.1214859	−.0284449	.1079180	−.0255954
.120	.1386090	−.0333688	.1211756	−.0296535	.1076361	−.0266824
.125	.1382501	−.0347256	.1208526	−.0308585	.1073426	−.0277662
.130	.1378769	−.0360782	.1205164	−.0320598	.1070374	−.0288465
.135	.1374896	−.0374266	.1201679	−.0332572	.1067207	−.0299233
.140	.1370881	−.0387706	.1198070	−.0344506	.1063924	−.0309964
.145	.1366725	−.0401101	.1194329	−.0356399	.1060526	−.0320658
.150	.1362429	−.0414448	.1190452	−.0368249	.1057013	−.0331312
.160	.1353418	−.0440994	.1182351	−.0391814	.1049846	−.0352497
.170	.1343853	−.0467335	.1173759	−.0415190	.1041826	−.0373509
.180	.1333739	−.0493452	.1164693	−.0438367	.1033558	−.0394338
.190	.1323080	−.0519339	.1155053	−.0461333	.1024847	−.0414974
.200	.1311885	−.0544982	.1144977	−.0484078	.1015696	−.0435407
.225	.1281573	−.0607945	.1117731	−.0539899	.0990931	−.0485556
.250	.1248034	−.0669130	.1087583	−.0594104	.0963538	−.0534185
.275	.1211373	−.0728359	.1054622	−.0646633	.0933607	−.0581207
.300	.1171715	−.0785465	.1018984	−.0697034	.0901241	−.0626464
.325	.1129181	−.0840287	.0980767	−.0745462	.0866546	−.0669823
.350	.1083913	−.0892673	.0940102	−.0791679	.0829840	−.0711158
.400	.0985765	−.0989568	.0851988	−.0876967	.0749692	−.0787288
.450	.0878523	−.1075110	.0755771	−.0951959	.0662459	−.0854000
.500	.0763562	−.1148415	.0652717	−.1015863	.0569091	−.0910577
.550	.0642335	−.1208771	.0544146	−.1068043	.0470813	−.0956445
.600	.0516361	−.1255643	.0431466	−.1100028	.0368902	−.0991182
.650	.0387205	−.1288688	.0316091	−.1135515	.0264667	−.1014525
.700	.0256451	−.1307727	.0199456	−.1150375	.0159433	−.1026566
.750	.0125680	−.1312800	.0083021	−.1152849	.0054520	−.1026760
.800	−.0003550	−.1304113	−.0031817	−.1142547	−.0048778	−.1015915
.850	−.0129732	−.1282053	−.0143702	−.1120445	−.0149209	−.0994192
.900	−.0251424	−.1247180	−.0251302	−.1086875	−.0245586	−.0962093
.950	−.0367275	−.1200213	−.0353418	−.1042508	−.0335697	−.0920256
1.000	−.0476038	−.1142019	−.0448952	−.0988158	−.0421826	−.0869439
1.100	−.0667945	−.0996056	−.0616841	−.0853322	−.0569820	−.0744430
1.200	−.0819871	−.0818556	−.0746745	−.0690930	−.0683781	−.0599050
1.300	−.0927044	−.0619920	−.0836534	−.0510611	−.0760084	−.0450160
1.400	−.0987564	−.0411219	−.0883340	−.0322456	−.0797393	−.0259123
1.500	−.1001402	−.0203325	−.0888538	−.0136389	−.0796659	−.0091027
1.600	−.0972225	−.0006574	−.0855011	+.0038416	−.0760851	+.0065761
1.700	−.0905082	+.0170821	−.0787793	+.0194054	−.0694861	+.0204089
1.800	−.0806955	+.0321223	−.0693485	+.0324501	−.0604908	+.0318594
1.900	−.0686031	+.0439886	−.0579737	+.0424894	−.0498157	+.0404961
2.000	−.0551114	+.0524152	−.0454700	+.0495678	−.0382193	+.0462040

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(i) M = 3.0 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999945	−.0010227	.0909040	−.0009375	.0833286	−.0008654
.010	.0999777	−.0020453	.0908885	−.0018748	.0833143	−.0017306
.015	.0999499	−.0030676	.0908629	−.0028120	.0832904	−.0025957
.020	.0999110	−.0040895	.0908269	−.0037487	.0832570	−.0034604
.025	.0998609	−.0051110	.0907807	−.0046850	.0832141	−.0043246
.030	.0997997	−.0061318	.0907242	−.0056207	.0831616	−.0051883
.035	.0997274	−.0071518	.0906575	−.0065557	.0830997	−.0060514
.040	.0996440	−.0081709	.0905805	−.0074899	.0830282	−.0069136
.045	.0995495	−.0091890	.0904933	−.0084231	.0829472	−.0077750
.050	.0994440	−.0102060	.0903957	−.0093552	.0828568	−.0086354
.055	.0993274	−.0112217	.0902882	−.0102862	.0827568	−.0094947
.060	.0991996	−.0122360	.0901704	−.0112159	.0826474	−.0103528
.065	.0990611	−.0132487	.0900424	−.0121441	.0825286	−.0112095
.070	.0989114	−.0142598	.0899043	−.0130708	.0824002	−.0120648
.075	.0987508	−.0152692	.0897560	−.0139959	.0822626	−.0129186
.080	.0985792	−.0162766	.0895976	−.0149192	.0821155	−.0137707
.085	.0983966	−.0172820	.0894291	−.0158406	.0819591	−.0146211
.090	.0982032	−.0182852	.0892505	−.0167599	.0817933	−.0154695
.095	.0979988	−.0192861	.0890619	−.0176772	.0816182	−.0163161
.100	.0977836	−.0202847	.0888633	−.0185923	.0814336	−.0171605
.105	.0975576	−.0212807	.0886547	−.0195050	.0812400	−.0180027
.110	.0973208	−.0222740	.0884361	−.0204152	.0810371	−.0188426
.115	.0970732	−.0232645	.0882076	−.0213228	.0808249	−.0196802
.120	.0968148	−.0242522	.0879692	−.0222278	.0806034	−.0205152
.125	.0965458	−.0252369	.0877209	−.0231300	.0803729	−.0213476
.130	.0962662	−.0262184	.0874628	−.0240292	.0801333	−.0221773
.135	.0959759	−.0271967	.0871948	−.0249254	.0798846	−.0230041
.140	.0956750	−.0281716	.0869172	−.0258184	.0796268	−.0238280
.145	.0953636	−.0291429	.0866298	−.0267082	.0793600	−.0246489
.150	.0950417	−.0301106	.0863327	−.0275947	.0790842	−.0254666
.160	.0943665	−.0320347	.0857096	−.0293570	.0785058	−.0270920
.170	.0936500	−.0339427	.0850484	−.0311044	.0778919	−.0287039
.180	.0928923	−.0358339	.0843493	−.0328363	.0772429	−.0303011
.190	.0920941	−.0377074	.0836127	−.0345516	.0765591	−.0318828
.200	.0912557	−.0395621	.0828391	−.0362495	.0758410	−.0334483
.225	.0889868	−.0441110	.0807457	−.0404126	.0738979	−.0372859
.250	.0864774	−.0485232	.0784307	−.0444489	.0717495	−.0410053
.275	.0837361	−.0527854	.0759021	−.0483461	.0694030	−.0445947
.300	.0807721	−.0568848	.0731685	−.0520921	.0668664	−.0480433
.325	.0775956	−.0608091	.0702393	−.0556758	.0641489	−.0513404
.350	.0742173	−.0645468	.0671246	−.0590865	.0612598	−.0544780
.400	.0669015	−.0714194	.0603818	−.0655484	.0550071	−.0602263
.450	.0589233	−.0774244	.0530320	−.0710862	.0481940	−.0652269
.500	.0503895	−.0824961	.0451744	−.0755991	.0409136	−.0694218
.550	.0414132	−.0865822	.0369145	−.0790794	.0332849	−.0727669
.600	.0321127	−.0896448	.0283625	−.0818123	.0253504	−.0752304
.650	.0226092	−.0916604	.0196310	−.0835770	.0172756	−.0767933
.700	.0130252	−.0926203	.0108538	−.0843662	.0091471	−.0774500
.750	.0034823	−.0925306	.0020840	−.0841864	.0010700	−.0772070
.800	−.0058999	−.0914119	−.0065076	−.0830581	−.0068523	−.0760840
.850	−.0150064	−.0892986	−.0148844	−.0810140	−.0145204	−.0741128
.900	−.0237279	−.0862387	−.0227954	−.0780997	−.0218404	−.0713366
.950	−.0319624	−.0822922	−.0302963	−.0743720	−.0287249	−.0678094
1.000	−.0396171	−.0775304	−.0372517	−.0698983	−.0350946	−.0635949
1.100	−.0528665	−.0658951	−.0492315	−.0590269	−.0460179	−.0534001
1.200	−.0629316	−.0520769	−.0582571	−.0461834	−.0541716	−.0414094
1.300	−.0695517	−.0369060	−.0640407	−.0321440	−.0592960	−.0283512
1.400	−.0725385	−.0212451	−.0664943	−.0177125	−.0613192	−.0149778
1.500	−.0720746	−.0059351	−.0657271	−.0036694	−.0603540	−.0020170
1.600	−.0685968	+.0082556	−.0620278	+.0092774	−.0566812	+.0098718
1.700	−.0619874	+.0206749	−.0558590	+.0205233	−.0507241	+.0201360
1.800	−.0534367	+.0308216	−.0477200	+.0296191	−.0430141	+.0283595
1.900	−.0434177	+.0385682	−.0385047	+.0362720	−.0341495	+.0342817
2.000	−.0326584	+.0431718	−.0282560	+.0403643	−.0247529	+.0378057

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(j) M = 3.5

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999794	-.0054444	.4999846	-.0036296	.3333210	-.0027222
.010	.9999177	-.0108884	.4999583	-.0072589	.3332840	-.0054441
.015	.9998149	-.0163317	.4998612	-.0108876	.3332223	-.0081656
.020	.9996709	-.0217739	.4997752	-.0145154	.3331359	-.0108863
.025	.9994859	-.0272147	.4996144	-.0181421	.3330249	-.0136061
.030	.9992597	-.0326536	.4994448	-.0217673	.3328892	-.0163246
.035	.9989925	-.0380904	.4992444	-.0253908	.3327289	-.0190418
.040	.9986842	-.0435246	.4990132	-.0290123	.3325440	-.0217572
.045	.9983350	-.0489560	.4987513	-.0326315	.3323344	-.0244707
.050	.9979447	-.0543841	.4984586	-.0362480	.3321003	-.0271820
.055	.9975134	-.0598086	.4981352	-.0398617	.3318416	-.0298909
.060	.9970412	-.0652291	.4977812	-.0434721	.3315584	-.0325972
.065	.9965282	-.0706452	.4973965	-.0470792	.3312507	-.0353005
.070	.9959743	-.0760567	.4969812	-.0506824	.3309186	-.0380008
.075	.9953796	-.0814631	.4965353	-.0542816	.3305619	-.0406976
.080	.9947442	-.0868641	.4960589	-.0578765	.3301809	-.0433909
.085	.9940681	-.0922593	.4955521	-.0614667	.3297756	-.0460803
.090	.9933513	-.0976484	.4950148	-.0650521	.3293459	-.0487657
.095	.9925940	-.1030310	.4944471	-.0686323	.3288919	-.0514467
.100	.9917962	-.1084068	.4938491	-.0722070	.3284137	-.0541231
.105	.9909579	-.1137754	.4932208	-.0757759	.3279113	-.0567948
.110	.9900795	-.1191364	.4925623	-.0793388	.3273848	-.0594614
.115	.9891604	-.1244895	.4918757	-.0828954	.3268342	-.0621228
.120	.9882013	-.1298343	.4911550	-.0864454	.3262596	-.0647787
.125	.9872020	-.1351706	.4904062	-.0899885	.3256610	-.0674288
.130	.9861627	-.1404979	.4896276	-.0935244	.3250386	-.0700729
.135	.9850854	-.1458158	.4888190	-.0970529	.3243922	-.0727109
.140	.9839645	-.1511241	.4879807	-.1005737	.3237221	-.0753424
.145	.9828054	-.1564224	.4871126	-.1040864	.3230283	-.0779673
.150	.9816069	-.1617103	.4862150	-.1075909	.3223109	-.0805855
.160	.9790911	-.1722537	.4843310	-.1145789	.3208054	-.0857996
.170	.9764179	-.1827515	.4823296	-.1215205	.3192063	-.0909856
.180	.9735883	-.1932019	.4802115	-.1284285	.3175141	-.0961355
.190	.9706050	-.2035995	.4779775	-.1352957	.3157297	-.1012555
.200	.9674652	-.2139441	.4756285	-.1421200	.3138536	-.1063357
.225	.9589447	-.2395531	.4692579	-.1589790	.3087679	-.1188753
.250	.9494851	-.2647682	.4621889	-.1755236	.3031273	-.1311495
.275	.9391043	-.2895491	.4544378	-.1917219	.2969461	-.1431378
.300	.9278242	-.3138566	.4460229	-.2075430	.2902398	-.1548126
.325	.9156685	-.3376527	.4369657	-.2229567	.2830253	-.1661490
.350	.9026625	-.3609007	.4272814	-.2379541	.2753206	-.1771233
.400	.8742102	-.4056117	.4061389	-.2664702	.2585186	-.1978953
.450	.8427034	-.4477240	.3827911	-.2929441	.2400007	-.2169591
.500	.8084014	-.4869972	.3574525	-.3171701	.2199500	-.2341643
.550	.7715841	-.5232184	.3303542	-.3389861	.1985630	-.2493807
.600	.7325488	-.5562040	.3017411	-.3582546	.1760477	-.2624997
.650	.6916071	-.5858014	.2718693	-.3748846	.1526212	-.2734354
.700	.6490812	-.6118895	.2410027	-.3887318	.1285069	-.2821254
.750	.6053011	-.6343802	.2094108	-.3997996	.1039320	-.2885311
.800	.5606007	-.6532182	.1773651	-.4080392	.0791249	-.2926377
.850	.5153144	-.6683814	.1451363	-.4134494	.0543123	-.2944544
.900	.4697758	-.6798801	.1129921	-.4160564	.0297178	-.2940135
.950	.4243044	-.6877567	.0811926	-.4159126	.0055573	-.2913702
1.000	.3792221	-.6920841	.0499895	-.4130960	-.0179612	-.2866010
1.100	.2914185	-.6905284	-.0096841	-.3998755	-.0622991	-.2710921
1.200	.2085931	-.6765905	-.0642944	-.3774699	-.1018507	-.2484790
1.300	.1326562	-.6510534	-.1123985	-.3472496	-.1355546	-.2199969
1.400	.0651349	-.6164485	-.1528932	-.3108064	-.1625736	-.1870577
1.500	.0071344	-.5745140	-.1850461	-.2698720	-.1823187	-.1511762
1.600	-.0406819	-.5273482	-.2085071	-.2262356	-.1946563	-.1138954
1.700	-.0780898	-.4770493	-.2233008	-.1816503	-.1993777	-.0767130
1.800	-.1052807	-.4256294	-.2298012	-.1377754	-.1980131	-.0410134
1.900	-.1228209	-.3749344	-.2286906	-.0960888	-.1901910	-.0080093
2.000	-.1315943	-.3265759	-.2209050	-.0578409	-.1771880	+.0213038

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(j) M = 3.5 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499897	−.0021777	.1999912	−.0018148	.1666590	−.0015555
.010	.2499589	−.0043553	.1999647	−.0036294	.1666558	−.0031109
.015	.2499074	−.0065324	.1999207	−.0054436	.1665973	−.0046659
.020	.2498355	−.0087089	.1998590	−.0072573	.1665433	−.0062205
.025	.2497430	−.0108846	.1997797	−.0090703	.1664759	−.0077744
.030	.2496299	−.0130592	.1996828	−.0108824	.1663891	−.0093275
.035	.2494963	−.0152326	.1995685	−.0126934	.1662889	−.0108797
.040	.2493422	−.0174046	.1994362	−.0145031	.1661753	−.0124307
.045	.2491676	−.0195749	.1992865	−.0163113	.1660424	−.0139804
.050	.2489725	−.0217433	.1991193	−.0181180	.1658961	−.0155287
.055	.2487570	−.0239097	.1989346	−.0199228	.1657345	−.0170754
.060	.2485210	−.0260738	.1987323	−.0217257	.1655575	−.0186203
.065	.2482646	−.0282354	.1985126	−.0235263	.1653655	−.0201633
.070	.2479878	−.0303943	.1982754	−.0253247	.1651577	−.0217042
.075	.2476907	−.0325504	.1980208	−.0271205	.1649349	−.0232429
.080	.2473733	−.0347033	.1977487	−.0289136	.1646969	−.0247791
.085	.2470356	−.0368530	.1974593	−.0307038	.1644437	−.0263128
.090	.2466776	−.0389992	.1971525	−.0324909	.1641755	−.0278438
.095	.2462994	−.0411416	.1968284	−.0342749	.1638918	−.0295719
.100	.2459010	−.0432802	.1964870	−.0360553	.1635932	−.0308969
.105	.2454825	−.0454146	.1961284	−.0378323	.1632794	−.0324188
.110	.2450459	−.0475447	.1957526	−.0396054	.1629507	−.0339373
.115	.2445853	−.0496704	.1953596	−.0413746	.1626069	−.0354523
.120	.2441067	−.0517913	.1949495	−.0431396	.1622482	−.0369637
.125	.2436081	−.0539073	.1945224	−.0449004	.1618745	−.0384712
.130	.2430897	−.0560182	.1940782	−.0466567	.1614860	−.0399747
.135	.2425514	−.0581237	.1936170	−.0484083	.1610826	−.0414741
.140	.2419933	−.0602238	.1931389	−.0501552	.1606645	−.0429693
.145	.2414156	−.0623182	.1926440	−.0518970	.1602316	−.0444600
.150	.2408181	−.0644066	.1921322	−.0536337	.1597840	−.0459461
.160	.2395646	−.0685650	.1910584	−.0570908	.1588449	−.0489059
.170	.2382532	−.0726974	.1899180	−.0605253	.1578476	−.0518416
.180	.2368846	−.0768023	.1887116	−.0639357	.1567927	−.0547578
.190	.2353395	−.0808781	.1874397	−.0673206	.1556806	−.0576515
.200	.2337779	−.0849234	.1861027	−.0706788	.1545117	−.0605215
.225	.2295464	−.0948928	.1824800	−.0789487	.1513449	−.0675847
.250	.2248550	−.1046835	.1784650	−.0870231	.1478360	−.0744743
.275	.2197168	−.1141376	.1740686	−.0948821	.1439948	−.0811728
.300	.2141438	−.1233686	.1693028	−.1025070	.1398522	−.0876683
.325	.2081522	−.1323105	.1641807	−.1098792	.1353600	−.0939297
.350	.2017572	−.1409428	.1587163	−.1169814	.1305905	−.0999565
.400	.1878252	−.1572029	.1468210	−.1305092	.1202145	−.1112329
.450	.1724935	−.1720057	.1337458	−.1423668	.1088200	−.1213838
.500	.1559214	−.1852251	.1196819	−.1530456	.0965335	−.1303139
.550	.1382798	−.1967527	.1046605	−.1622532	.0834909	−.1379428
.600	.1197496	−.2064994	.0889015	−.1699142	.0698851	−.1442055
.650	.1005190	−.2143961	.0726108	−.1759713	.0557146	−.1490551
.700	.0807814	−.2203943	.0559289	−.1803854	.0412819	−.1524557
.750	.0607330	−.2244664	.0390284	−.1831364	.0266907	−.1543918
.800	.0405706	−.2266059	.0220820	−.1842227	.0120951	−.1548692
.850	.0204895	−.2268271	.0052606	−.1836614	−.0023534	−.1539042
.900	.0006800	−.2251648	−.0112691	−.1814875	−.0166067	−.1515313
.950	−.0186727	−.2216734	−.0273484	−.1777736	−.0302227	−.1478008
1.000	−.0373923	−.2164261	−.0428184	−.1725287	−.0433667	−.1427776
1.100	−.0722801	−.2010429	−.0713840	−.1579583	−.0674455	−.1291802
1.200	−.1028093	−.1799258	−.0959618	−.1386133	−.0878685	−.1115111
1.300	−.1280460	−.1541912	−.1157673	−.1155077	−.1039827	−.0906972
1.400	−.1473305	−.1250997	−.1302657	−.0897767	−.1152849	−.0677687
1.500	−.1602971	−.0939904	−.1391874	−.0626162	−.1216323	−.0436037
1.600	−.1668775	−.0622132	−.1425295	−.0352216	−.1230440	−.0198723
1.700	−.1672889	−.0310652	−.1405431	−.0087289	−.1197871	+.0050167
1.800	−.1620082	−.0017209	−.1337079	+.0158589	−.1123323	+.0239645
1.900	−.1517333	+.0247989	−.1226956	+.0376164	−.1013192	+.0422219
2.000	−.1375354	+.0476843	−.1085246	+.0559305	−.0875140	+.0572199

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = \left(f_\lambda\right)_R + i\left(f_\lambda\right)_I$ - Continued

(j) M = 3.5 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428503	-.0013611	.1249958	-.0012099	.1111055	-.0010889
.010	.1428297	-.0027220	.1249753	-.0024196	.1110887	-.0021776
.015	.1427954	-.0040827	.1249445	-.0036290	.1110606	-.0032661
.020	.1427475	-.0054429	.1249013	-.0048381	.1110214	-.0043543
.025	.1426858	-.0068025	.1248458	-.0060466	.1109709	-.0054419
.030	.1426104	-.0081615	.1247779	-.0072545	.1109092	-.0065290
.035	.1425214	-.0095195	.1246978	-.0084616	.1108364	-.0076153
.040	.1424186	-.0108765	.1246053	-.0096678	.1107523	-.0087008
.045	.1423022	-.0122324	.1245006	-.0108729	.1106571	-.0097853
.050	.1421722	-.0135870	.1243856	-.0120768	.1105507	-.0108688
.055	.1420285	-.0149401	.1242543	-.0132794	.1104332	-.0119510
.060	.1418713	-.0162916	.1241127	-.0144806	.1103045	-.0130319
.065	.1417004	-.0176414	.1239589	-.0156802	.1101647	-.0141114
.070	.1415159	-.0189894	.1237929	-.0168781	.1100138	-.0151893
.075	.1413179	-.0203353	.1236147	-.0180741	.1098518	-.0162655
.080	.1411064	-.0216790	.1234244	-.0192682	.1096788	-.0173399
.085	.1408813	-.0230204	.1232218	-.0204602	.1094947	-.0184124
.090	.1406428	-.0243594	.1230072	-.0216500	.1092995	-.0194829
.095	.1403908	-.0256958	.1227804	-.0228374	.1090934	-.0205512
.100	.1401254	-.0270295	.1225416	-.0240223	.1088763	-.0216172
.105	.1398466	-.0283603	.1222907	-.0252046	.1086483	-.0226808
.110	.1395544	-.0296880	.1220278	-.0263842	.1084093	-.0237419
.115	.1392489	-.0310127	.1217529	-.0275609	.1081594	-.0248004
.120	.1389301	-.0323340	.1214660	-.0287346	.1078987	-.0258561
.125	.1385980	-.0336519	.1211672	-.0299052	.1076271	-.0269090
.130	.1382528	-.0349662	.1208566	-.0310725	.1073447	-.0279589
.135	.1378943	-.0362768	.1205341	-.0322365	.1070516	-.0290057
.140	.1375228	-.0375835	.1201997	-.0333969	.1067477	-.0300493
.145	.1371381	-.0388863	.1198536	-.0345538	.1064332	-.0310895
.150	.1367404	-.0401849	.1194958	-.0357068	.1061080	-.0321264
.160	.1359060	-.0427692	.1187451	-.0380012	.1054257	-.0341892
.170	.1350200	-.0453353	.1179480	-.0402791	.1047013	-.0362370
.180	.1340827	-.0478822	.1171049	-.0425395	.1039351	-.0382687
.190	.1330948	-.0504088	.1162161	-.0447815	.1031275	-.0402856
.200	.1320564	-.0529141	.1152822	-.0470040	.1022789	-.0422806
.225	.1292638	-.0590768	.1127524	-.0524692	.0999804	-.0471896
.250	.1261278	-.0650833	.1099504	-.0577924	.0974349	-.0519686
.275	.1227176	-.0709180	.1068843	-.0629596	.0946499	-.0566047
.300	.1190230	-.0765657	.1035632	-.0679570	.0916338	-.0610853
.325	.1150545	-.0820121	.0999968	-.0727715	.0883956	-.0653984
.350	.1108236	-.0872431	.0961955	-.0773906	.0849449	-.0695326
.400	.1016240	-.0970072	.0879553	-.0859953	.0774473	-.0772211
.450	.0915291	-.1057609	.0788730	-.0936854	.0692300	-.0840710
.500	.0806557	-.1134196	.0691195	-.1003789	.0603894	-.0900132
.550	.0691207	-.1199121	.0587850	-.1060180	.0510291	-.0949900
.600	.0570597	-.1251813	.0479880	-.1105499	.0412580	-.0988556
.650	.0446050	-.1291850	.0368510	-.1139374	.0311888	-.1018770
.700	.0318942	-.1318961	.0254995	-.1161574	.0209367	-.1037842
.750	.0190663	-.1333030	.0140600	-.1172009	.0106180	-.1045199
.800	.0062597	-.1334094	.0026586	-.1170728	.0003481	-.1042401
.850	-.0063889	-.1322340	-.0085806	-.1157921	-.0097592	-.1029136
.900	-.0187468	-.1298106	-.0195575	-.1133912	-.0195940	-.1005714
.950	-.0306867	-.1261867	-.0300967	-.1099154	-.0290512	-.0972567
1.000	-.0420883	-.1214235	-.0401495	-.1054221	-.0380316	-.0930234
1.100	-.0628580	-.1087858	-.0585421	-.0935680	-.0542049	-.0820688
1.200	-.0802227	-.0928065	-.0734235	-.0787937	-.0674885	-.0688281
1.300	-.0936564	-.0737436	-.0848760	-.0615870	-.0774203	-.0525353
1.400	-.1027637	-.0531370	-.0923773	-.0429144	-.0837193	-.0354868
1.500	-.1075905	-.0317667	-.0958088	-.0236736	-.0862944	-.0180153
1.600	-.1076050	-.0105999	-.0952546	-.0047456	-.0852408	-.0009272
1.700	-.1036741	+.0094585	-.0909875	+.0130503	-.0808281	+.0150296
1.800	-.0960601	+.0276095	-.0834466	+.0289964	-.0734773	+.0292052
1.900	-.0853671	+.0431952	-.0732059	+.0425094	-.0633818	+.0410769
2.000	-.0723119	+.0557278	-.0609364	+.0531648	-.0522213	+.0502714

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(j) M = 3.5 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999949	-.0009899	.0909044	-.0000907	.083290	-.0008876
.010	.0999794	-.0019796	.0908901	-.0018147	.083157	-.0016751
.015	.0999537	-.0029692	.0908664	-.0027218	.082937	-.0025124
.020	.0999177	-.0039584	.0908332	-.0036285	.082628	-.0033494
.025	.0998715	-.0049472	.0907905	-.0045349	.082232	-.0041860
.030	.0998150	-.0059354	.0907383	-.0054407	.081747	-.0050222
.035	.0997482	-.0069229	.0906766	-.0063459	.081175	-.0058577
.040	.0996711	-.0079097	.0906055	-.0072504	.080514	-.0066926
.045	.0995838	-.0088956	.0905249	-.0081541	.079766	-.0075267
.050	.0994865	-.0098804	.0904349	-.0090568	.078930	-.0083600
.055	.0993786	-.0108642	.0903355	-.0099585	.078007	-.0091923
.060	.0992606	-.0118467	.0902266	-.0108591	.076996	-.0100235
.065	.0991325	-.0128279	.0901083	-.0117584	.075898	-.0108536
.070	.0989942	-.0138077	.0899807	-.0126564	.074712	-.0116824
.075	.0988457	-.0147859	.0898436	-.0135530	.073440	-.0125098
.080	.0986871	-.0157624	.0896972	-.0144480	.072080	-.0133359
.085	.0985185	-.0167372	.0895414	-.0153413	.070634	-.0141604
.090	.0983395	-.0177101	.0893763	-.0162329	.069101	-.0149832
.095	.0981505	-.0186809	.0892020	-.0171227	.067482	-.0158044
.100	.0979515	-.0196497	.0890185	-.0180105	.065777	-.0166237
.105	.0977425	-.0206163	.0888254	-.0188962	.063985	-.0174411
.110	.0975235	-.0215806	.0886232	-.0197798	.062108	-.0182564
.115	.0972945	-.0225424	.0884118	-.0206612	.060146	-.0190697
.120	.0970555	-.0235017	.0881913	-.0215402	.058098	-.0198808
.125	.0968066	-.0244584	.0879615	-.0224167	.055965	-.0206896
.130	.0965478	-.0254123	.0877227	-.0232907	.053747	-.0214960
.135	.0962791	-.0263633	.0874747	-.0241621	.051445	-.0223000
.140	.0960007	-.0273114	.0872177	-.0250306	.049059	-.0231014
.145	.0957124	-.0282564	.0869517	-.0258964	.046589	-.0239001
.150	.0954143	-.0291983	.0866766	-.0267592	.044035	-.0246960
.160	.0947891	-.0310720	.0860996	-.0284755	.038678	-.0262794
.170	.0941253	-.0329318	.0854870	-.0301789	.032991	-.0278506
.180	.0934231	-.0347768	.0848390	-.0318686	.026976	-.0294090
.190	.0926831	-.0366062	.0841561	-.0335438	.020636	-.0309539
.200	.0919055	-.0384192	.0834386	-.0352037	.013975	-.0324846
.225	.0897995	-.0428746	.0814954	-.0392820	-.004562	-.0362446
.250	.0874676	-.0472100	.0793440	-.0432490	-.025969	-.0399006
.275	.0849166	-.0514135	.0769907	-.0470935	-.049130	-.0434425
.300	.0821543	-.0554737	.0744428	-.0508050	-.080487	-.0468603
.325	.0791890	-.0593794	.0717082	-.0543732	.055114	-.0501444
.350	.0760297	-.0631200	.0687950	-.0577883	.028089	-.0532857
.400	.0691676	-.0700668	.0624692	-.0641227	.069418	-.0591061
.450	.0616501	-.0762408	.0555421	-.0697405	.075192	-.0642585
.500	.0535669	-.0815787	.0480971	-.0745854	.036194	-.0686888
.550	.0450138	-.0860277	.0402236	-.0786027	.063259	-.0723521
.600	.0360917	-.0895464	.0320155	-.0817607	.087265	-.0752134
.650	.0269048	-.0921051	.0235699	-.0840303	.009121	-.0772481
.700	.0175599	-.0936880	.0149858	-.0853958	.129752	-.0784421
.750	.0081642	-.0942856	.0063631	-.0858528	.050090	-.0787920
.800	-.0011756	-.0939044	-.0021992	-.0854082	-.0028940	-.0783047
.850	-.0103547	-.0925667	-.0106039	-.0840798	-.0106432	-.0769979
.900	-.0192719	-.0903004	-.0187572	-.0818965	-.0181512	-.0748989
.950	-.0278303	-.0871465	-.0265696	-.0788970	-.0253348	-.0720448
1.000	-.0359392	-.0831561	-.0339571	-.0751298	-.0321160	-.0684617
1.100	-.0504812	-.0729168	-.0471562	-.065294	-.0441920	-.0594524
1.200	-.0623279	-.0601644	-.0578316	-.0536423	-.0538961	-.0483271
1.300	-.0710626	-.0455821	-.0656040	-.0401090	-.0608813	-.0357083
1.400	-.0763380	-.0299158	-.0702539	-.0256263	-.0649504	-.0222497
1.500	-.0783854	-.0139322	-.0717265	-.0109083	-.0660617	-.0086195
1.600	-.0770018	+.0016224	-.0701295	+.0033523	-.0643254	+.0045366
1.700	-.0725568	+.0160613	-.0657200	+.0165207	-.0599912	+.0166287
1.800	-.0654521	+.0287910	-.0588841	+.0280519	-.0534290	+.0271532
1.900	-.0562022	+.0393395	-.0501103	+.0375160	-.0451030	+.0357162
2.000	-.0453996	+.0473748	-.0399571	+.0446161	-.0359412	+.0420501

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(k) M = 4.0

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999805	-.0053333	.4999855	-.0035555	.3333216	-.0026666
.010	.9999218	-.0106662	.4999415	-.0071108	.3332884	-.0053330
.015	.9998240	-.0159985	.4998660	-.0106655	.3332277	-.0079990
.020	.9996872	-.0213298	.4997654	-.0142194	.3331456	-.0106643
.025	.9995112	-.0266598	.4996334	-.0177722	.3330401	-.0133287
.030	.9992982	-.0319881	.4994721	-.0213238	.3329111	-.0159920
.035	.9990421	-.0373144	.4992816	-.0248757	.3327586	-.0186540
.040	.9987490	-.0426384	.4990618	-.0284218	.3325828	-.0213145
.045	.9984169	-.0479597	.4988127	-.0319678	.3323855	-.0239731
.050	.9980457	-.0532781	.4985344	-.0355113	.3321609	-.0266298
.055	.9976357	-.0585951	.4982269	-.0390523	.3319149	-.0292843
.060	.9971867	-.0639045	.4978902	-.0425903	.3316456	-.0319365
.065	.9966988	-.0692119	.4975244	-.0461251	.3313530	-.0345857
.070	.9961720	-.0745150	.4971294	-.0496565	.3310371	-.0372323
.075	.9956065	-.0798155	.4967054	-.0531842	.3306980	-.0398757
.080	.9950022	-.0851071	.4962523	-.0567079	.3303356	-.0425158
.085	.9943592	-.0903953	.4957703	-.0602274	.3299500	-.0451524
.090	.9936775	-.0956779	.4952592	-.0637424	.3295413	-.0477853
.095	.9929572	-.1009546	.4947193	-.0672526	.3291095	-.0504142
.100	.9921985	-.1062250	.4941504	-.0707578	.3286546	-.0530390
.105	.9914009	-.1114888	.4935528	-.0742578	.3281767	-.0556593
.110	.9905651	-.1167457	.4929268	-.0777522	.3276758	-.0582750
.115	.9896910	-.1219954	.4922712	-.0812408	.3271520	-.0608859
.120	.9887785	-.1272374	.4915874	-.0847234	.3266053	-.0634918
.125	.9878278	-.1324716	.4908750	-.0881996	.3260357	-.0660924
.130	.9868389	-.1376976	.4901341	-.0916693	.3254434	-.0686875
.135	.9858120	-.1429150	.4893647	-.0951322	.3248283	-.0712770
.140	.9847471	-.1481235	.4885669	-.0985880	.3241906	-.0738605
.145	.9836442	-.1533229	.4877407	-.1020364	.3235502	-.0764379
.150	.9825036	-.1585128	.4868865	-.1054773	.3228473	-.0790090
.160	.9801091	-.1688628	.4850950	-.1123352	.3214141	-.0841315
.170	.9775645	-.1791709	.4831876	-.1191596	.3198915	-.0892260
.180	.9748705	-.1894348	.4811707	-.1259487	.3182801	-.0942911
.190	.9720279	-.1996518	.4790431	-.1327003	.3165804	-.0993251
.200	.9690377	-.2098194	.4768054	-.1394125	.3147932	-.1043262
.225	.9609224	-.2350065	.4707351	-.1560078	.3099462	-.1166748
.250	.9519060	-.2598317	.4639954	-.1723143	.3045678	-.1287832
.275	.9420062	-.2842577	.4566009	-.1883023	.2986690	-.1406268
.300	.9312421	-.3082485	.4485676	-.2039451	.2922650	-.1521817
.325	.9196548	-.3317680	.4399128	-.2192087	.2853701	-.1634249
.350	.9072067	-.3547825	.4306553	-.2340720	.2780003	-.1743341
.400	.8799894	-.3991643	.4104128	-.2624887	.2619050	-.1950657
.450	.8497877	-.4411433	.3880137	-.2889972	.2441274	-.2142159
.500	.8168441	-.4804905	.3636488	-.3134201	.2248302	-.2316403
.550	.7814043	-.5170003	.3375245	-.3355998	.2041890	-.2472120
.600	.7437343	-.5504924	.3098605	-.3553999	.1823906	-.2608223
.650	.7041143	-.5808127	.2808865	-.3727069	.1596606	-.2723824
.700	.6628556	-.6078846	.2508424	-.3873502	.1361113	-.2818234
.750	.6201977	-.6314602	.2199730	-.3995034	.1120400	-.2890974
.800	.5765058	-.6516202	.1885271	-.4088845	.0876263	-.2941774
.850	.5320674	-.6682745	.1567547	-.4155558	.0630802	-.2970577
.900	.4871900	-.6814119	.1249043	-.4195240	.0386098	-.2977551
.950	.4421776	-.6910499	.0932207	-.4208197	.0144192	-.2962992
1.000	.3973284	-.6972340	.0619424	-.4194966	-.0092936	-.2927511
1.100	.3092665	-.6995550	.0015118	-.4093189	-.0545358	-.2796866
1.200	.2251724	-.6892554	-.0546857	-.3898442	-.0957262	-.2593595
1.300	.1469657	-.6675668	-.1051174	-.3622157	-.1316835	-.2328101
1.400	.0762480	-.6360292	-.1487695	-.3278092	-.1614779	-.2012693
1.500	.0142777	-.5965974	-.1845818	-.2881682	-.1844590	-.1660979
1.600	-.0380770	-.5505722	-.2120683	-.2449535	-.2002715	-.1287846
1.700	-.0803393	-.5005169	-.2310219	-.1997720	-.2088564	-.0905828
1.800	-.1124186	-.4481774	-.2415643	-.1543073	-.2104386	-.0550495
1.900	-.1345876	-.3954071	-.2441213	-.1100553	-.2055027	-.0178897
2.000	-.1474456	-.3439003	-.2395865	-.0683688	-.1947570	+.0152922

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(k) M = 4.0 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499902	-.0021333	.1999916	-.0017778	.1666593	-.0015238
.010	.2499609	-.0042664	.1999665	-.0035553	.166673	-.0030474
.015	.2499120	-.0063991	.1999246	-.0053326	.1666007	-.0045708
.020	.2498436	-.0085313	.1998659	-.0071093	.1665494	-.0060937
.025	.2497356	-.0106627	.1997905	-.0088894	.1664834	-.0076160
.030	.2496481	-.0127932	.1996984	-.0106607	.1664028	-.0091375
.035	.2495211	-.0149225	.1995895	-.0124359	.1663075	-.0106582
.040	.2495746	-.0170505	.1994639	-.0142081	.1661976	-.0121779
.045	.2492085	-.0191770	.1993216	-.0159798	.1660731	-.0136964
.050	.2490230	-.0213017	.1991626	-.0177501	.1659340	-.0152135
.055	.2488181	-.0234246	.1989870	-.0195188	.1657803	-.0167292
.060	.2485937	-.0255454	.1987946	-.0212896	.1656120	-.0182433
.065	.2483498	-.0276640	.1985857	-.0230504	.1654292	-.0197556
.070	.2480866	-.0297800	.1983601	-.0248131	.1652318	-.0212660
.075	.2478041	-.0318935	.1981179	-.0265734	.1650199	-.0227743
.080	.2475021	-.0340041	.1978591	-.0283313	.1647935	-.0242804
.085	.2471809	-.0361116	.1975839	-.0300866	.1645527	-.0257842
.090	.2468404	-.0382160	.1972920	-.0318390	.1642974	-.0272855
.095	.2464807	-.0403170	.1969838	-.0335885	.1640277	-.0287841
.100	.2461017	-.0424144	.1966590	-.0353348	.1637436	-.0302800
.105	.2457056	-.0445080	.1963178	-.0370778	.1634451	-.0317729
.110	.2452865	-.0465977	.1959603	-.0388174	.1631323	-.0332628
.115	.2448499	-.0486832	.1955864	-.0405534	.1628052	-.0347494
.120	.2443945	-.0507644	.1951962	-.0422856	.1624639	-.0362327
.125	.2439201	-.0528412	.1947897	-.0440138	.1621083	-.0377125
.130	.2434268	-.0549132	.1943670	-.0457380	.1617386	-.0391886
.135	.2429145	-.0569803	.1939280	-.0474579	.1613547	-.0406610
.140	.2423834	-.0590424	.1934730	-.0491733	.1609566	-.0421294
.145	.2418334	-.0610993	.1930019	-.0508842	.1605445	-.0435938
.150	.2412647	-.0631508	.1925147	-.0525903	.1601184	-.0450539
.160	.2400713	-.0672367	.1914923	-.0559878	.1592243	-.0479610
.170	.2388035	-.0712988	.1904064	-.0593644	.1582746	-.0508496
.180	.2374620	-.0753356	.1892574	-.0627189	.1572698	-.0537186
.190	.2360471	-.0793458	.1880457	-.0660501	.1562103	-.0565668
.200	.2345595	-.0833278	.1867718	-.0693567	.1550965	-.0593932
.225	.2305262	-.0931510	.1833185	-.0775079	.1520775	-.0663568
.250	.2260518	-.1027684	.1794887	-.0854792	.1487502	-.0731606
.275	.2211474	-.1121593	.1752920	-.0932526	.1450632	-.0797886
.300	.2158248	-.1213032	.1707392	-.1008102	.1410861	-.0862252
.325	.2100971	-.1301806	.1658418	-.1081550	.1368091	-.0924551
.350	.2039782	-.1387725	.1606120	-.1152106	.1322436	-.0984659
.400	.1906270	-.1550279	.1492090	-.1285517	.1222945	-.1097629
.450	.1759004	-.1699336	.1366448	-.1407159	.1113418	-.1200188
.500	.1599405	-.1833685	.1230452	-.1515986	.0994981	-.1291398
.550	.1429000	-.1952259	.1085454	-.1611090	.0868890	-.1370464
.600	.1249412	-.2054166	.0932890	-.1691709	.0736309	-.1436727
.650	.1062339	-.2138681	.0774259	-.1757235	.0598700	-.1489666
.700	.0869556	-.2205258	.0611107	-.1807222	.0457408	-.1528905
.750	.0672795	-.2253553	.0445015	-.1841385	.0313841	-.1554215
.800	.0473925	-.2283330	.0277571	-.1859605	.0169417	-.1565516
.850	.0274735	-.2294655	.0110362	-.1861928	.0025548	-.1562878
.900	.0077011	-.2287697	-.0055049	-.1848561	-.0116377	-.1546515
.950	-.0117500	-.2262826	-.0217138	-.1819871	-.0255007	-.1516784
1.000	-.0307111	-.2220581	-.0374435	-.1776676	-.0389045	-.1474177
1.100	-.0665275	-.2086943	-.0669155	-.1647759	-.0638499	-.1352948
1.200	-.0985778	-.1894195	-.0929158	-.1469572	-.0855924	-.1189189
1.300	-.1258889	-.1651810	-.1146084	-.1250464	-.1034134	-.0990858
1.400	-.1476950	-.1370842	-.1313767	-.1000456	-.1167895	-.0767006
1.500	-.1635123	-.1063953	-.1428242	-.0730549	-.1253854	-.0527524
1.600	-.1730999	-.0742049	-.1487937	-.0451410	-.1291212	-.0282473
1.700	-.1764842	-.0419508	-.1493623	-.0174662	-.1280891	-.0041717
1.800	-.1739406	-.0107044	-.1448286	+.0089509	-.1225994	+.0185543
1.900	-.1659694	+.0189991	-.1356882	+.0331811	-.1131542	+.0391161
2.000	-.1532617	+.0444581	-.1226026	+.0544411	-.1003206	+.0568573

TABLE I.- VALUES OF $f_\lambda(M,\bar{a}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(k) M = 4.0 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428506	−.0013333	.1249942	−.0011852	.1111058	−.0010666
.010	.1428311	−.0026665	.1249765	−.0023702	.1110898	−.0021332
.015	.1427985	−.0039994	.1249472	−.0035550	.1110631	−.0031995
.020	.1427529	−.0053319	.1249062	−.0047395	.1110258	−.0042655
.025	.1426942	−.0066639	.1248534	−.0059234	.1109778	−.0053310
.030	.1426226	−.0079952	.1247889	−.0071068	.1109192	−.0063960
.035	.1425379	−.0093257	.1247127	−.0082894	.1108499	−.0074603
.040	.1424402	−.0106553	.1246248	−.0094712	.1107700	−.0085239
.045	.1423295	−.0119839	.1245252	−.0106520	.1106794	−.0095866
.050	.1422059	−.0133112	.1244139	−.0118318	.1105783	−.0106482
.055	.1420693	−.0146372	.1242909	−.0130103	.1104665	−.0117088
.060	.1419197	−.0159618	.1241563	−.0141875	.1103441	−.0127682
.065	.1417572	−.0172848	.1240101	−.0153633	.1102112	−.0138262
.070	.1415818	−.0186060	.1238522	−.0165375	.1100677	−.0148828
.075	.1413934	−.0199254	.1236827	−.0177100	.1099136	−.0159379
.080	.1411922	−.0212428	.1235016	−.0188807	.1097490	−.0169913
.085	.1409782	−.0225582	.1233090	−.0200495	.1095739	−.0180429
.090	.1407513	−.0238712	.1231048	−.0212163	.1093883	−.0190927
.095	.1405115	−.0251819	.1228891	−.0223809	.1091922	−.0201405
.100	.1402591	−.0264901	.1226619	−.0235432	.1089857	−.0211862
.105	.1399938	−.0277956	.1224232	−.0247031	.1087687	−.0222297
.110	.1397158	−.0290984	.1221730	−.0258605	.1085413	−.0232709
.115	.1394251	−.0303983	.1219115	−.0270153	.1083036	−.0243097
.120	.1391218	−.0316952	.1216385	−.0281673	.1080554	−.0253460
.125	.1388058	−.0329889	.1213542	−.0293165	.1077970	−.0263797
.130	.1384772	−.0342793	.1210585	−.0304627	.1075283	−.0274106
.135	.1381360	−.0355664	.1207515	−.0316058	.1072495	−.0284387
.140	.1377823	−.0368499	.1204333	−.0327457	.1069600	−.0294638
.145	.1374162	−.0381297	.1201038	−.0338822	.1066606	−.0304859
.150	.1370375	−.0394057	.1197631	−.0350154	.1063509	−.0315049
.160	.1362431	−.0419460	.1190485	−.0372708	.1057013	−.0335328
.170	.1353993	−.0444695	.1182892	−.0395111	.1050114	−.0355470
.180	.1345066	−.0469754	.1174861	−.0417361	.1042815	−.0375464
.190	.1335655	−.0494627	.1166393	−.0439427	.1035120	−.0395303
.200	.1325758	−.0519303	.1157495	−.0461321	.1027032	−.0414978
.225	.1298943	−.0580072	.1133373	−.0515220	.1005117	−.0463399
.250	.1269216	−.0639405	.1106640	−.0567815	.0980829	−.0510624
.275	.1236657	−.0697157	.1077364	−.0618973	.0954236	−.0556534
.300	.1201352	−.0753187	.1045625	−.0668567	.0925410	−.0601012
.325	.1163396	−.0807360	.1011511	−.0716475	.0894432	−.0643945
.350	.1122889	−.0859546	.0975112	−.0762579	.0861386	−.0685227
.400	.1034661	−.0957465	.0895861	−.0848928	.0789459	−.0762426
.450	.0937600	−.1046014	.0808728	−.0926780	.0710418	−.0831849
.500	.0832729	−.1124382	.0714649	−.0995397	.0625124	−.0892826
.550	.0721149	−.1191862	.0614628	−.1054148	.0534505	−.0944784
.600	.0604025	−.1247872	.0509731	−.1102515	.0439539	−.0987255
.650	.0482569	−.1291959	.0401066	−.1140094	.0341246	−.1019879
.700	.0358035	−.1323801	.0289775	−.1166604	.0240676	−.1042407
.750	.0231693	−.1343208	.0177016	−.1181890	.0138894	−.1054706
.800	.0104823	−.1350130	.0063954	−.1185917	.0036968	−.1056758
.850	−.0021304	−.1344648	−.0048254	−.1178777	−.0064042	−.1048658
.900	−.0145459	−.1326978	−.0158473	−.1160682	−.0163099	−.1030613
.950	−.0266370	−.1297463	−.0265610	−.1131962	−.0259198	−.1002941
1.000	−.0382936	−.1256572	−.0368809	−.1093061	−.0351380	−.0966060
1.100	−.0598650	−.1143104	−.0558302	−.0987006	−.0520448	−.0866851
1.200	−.0784755	−.0992489	−.0720520	−.0848036	−.0665928	−.0738093
1.300	−.0934952	−.0812049	−.0849847	−.0682941	−.0776766	−.0586169
1.400	−.1044656	−.0610139	−.0941700	−.0499426	−.0855436	−.0418207
1.500	−.1111230	−.0395727	−.0994469	−.0305730	−.0898059	−.0241819
1.600	−.1134055	−.0177961	−.1007562	−.0110214	−.0904438	−.0064699
1.700	−.1114370	+.0034284	−.0982354	+.0079028	−.0876010	+.0105757
1.800	−.1055243	+.0232706	−.0921861	+.0254549	−.0815719	+.0262703
1.900	−.0961316	+.0410139	−.0850525	+.0409871	−.0727809	+.0400340
2.000	−.0838511	+.0560643	−.0713945	+.0539752	−.0617570	+.0513962

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(k) M = 4.0 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999952	-.0009697	.0909046	-.0008889	.0833292	-.0008205
.010	.0999805	-.0019393	.0908910	-.0017777	.0833166	-.0016409
.015	.0999560	-.0029086	.0908685	-.0026662	.0832956	-.0024611
.020	.0999218	-.0038777	.0908369	-.0035545	.0832663	-.0032811
.025	.0998778	-.0048464	.0907963	-.0044425	.0832286	-.0041007
.030	.0998241	-.0058145	.0907467	-.0053299	.0831825	-.0049199
.035	.0997606	-.0067820	.0906881	-.0062168	.0831281	-.0057385
.040	.0996873	-.0077489	.0906204	-.0071030	.0830653	-.0065566
.045	.0996043	-.0087149	.0905438	-.0079885	.0829942	-.0073739
.050	.0995116	-.0096800	.0904582	-.0088731	.0829147	-.0081904
.055	.0994091	-.0106440	.0903637	-.0097568	.0828269	-.0090060
.060	.0992970	-.0116070	.0902601	-.0106394	.0827307	-.0098207
.065	.0991751	-.0125687	.0901476	-.0115209	.0826265	-.0106343
.070	.0990435	-.0135291	.0900262	-.0124011	.0825135	-.0114468
.075	.0989023	-.0144881	.0898959	-.0132801	.0823925	-.0122580
.080	.0987514	-.0154456	.0897566	-.0141576	.0822632	-.0130679
.085	.0985909	-.0164014	.0896085	-.0150336	.0821256	-.0138764
.090	.0984208	-.0173555	.0894514	-.0159080	.0819798	-.0146834
.095	.0982411	-.0183078	.0892855	-.0167807	.0818258	-.0154888
.100	.0980518	-.0192581	.0891108	-.0176517	.0816635	-.0162926
.105	.0978529	-.0202064	.0889272	-.0185207	.0814931	-.0170945
.110	.0976445	-.0211526	.0887349	-.0193878	.0813145	-.0178947
.115	.0974266	-.0220966	.0885337	-.0202528	.0811278	-.0186929
.120	.0971992	-.0230385	.0883239	-.0211156	.0809329	-.0194891
.125	.0969623	-.0239775	.0881052	-.0219762	.0807299	-.0202832
.130	.0967160	-.0249142	.0878779	-.0228345	.0805188	-.0210752
.135	.0964603	-.0258485	.0876419	-.0236903	.0802997	-.0218648
.140	.0961952	-.0267797	.0873972	-.0245456	.0800726	-.0226521
.145	.0959207	-.0277082	.0871439	-.0253943	.0798374	-.0234370
.150	.0956370	-.0286339	.0868821	-.0262423	.0795942	-.0242193
.160	.0950416	-.0304780	.0863326	-.0279298	.0790841	-.0257761
.170	.0944094	-.0323054	.0857491	-.0296054	.0785424	-.0273218
.180	.0937405	-.0341212	.0851319	-.0312684	.0779694	-.0288557
.190	.0930354	-.0359227	.0844812	-.0329182	.0773654	-.0303772
.200	.0922943	-.0377090	.0837973	-.0345539	.0767305	-.0318857
.225	.0902863	-.0421042	.0819445	-.0385874	.0750106	-.0355955
.250	.0880611	-.0463850	.0798915	-.0424986	.0731050	-.0392097
.275	.0856250	-.0505524	.0776441	-.0463071	.0710193	-.0427189
.300	.0829849	-.0545888	.0752087	-.0499930	.0687592	-.0461137
.325	.0801479	-.0584727	.0725922	-.0535467	.0663314	-.0493852
.350	.0771221	-.0622092	.0698019	-.0569591	.0637427	-.0525249
.400	.0705582	-.0691878	.0637520	-.0633252	.0581123	-.0583765
.450	.0633061	-.0754497	.0570669	-.0690266	.0519320	-.0636085
.500	.0555058	-.0809334	.0498812	-.0740066	.0452714	-.0681682
.550	.0472232	-.0855866	.0422549	-.0782171	.0382055	-.0720110
.600	.0385489	-.0893667	.0342726	-.0816188	.0308133	-.0751006
.650	.0295774	-.0922409	.0260220	-.0841822	.0231771	-.0774100
.700	.0204058	-.0941874	.0175936	-.0858872	.0153812	-.0789209
.750	.0111325	-.0951945	.0090788	-.0867239	.0075112	-.0796246
.800	.0018562	-.0952614	.0005694	-.0866923	-.0003473	-.0795217
.850	-.0073252	-.0943980	-.0078439	-.0858022	-.0081096	-.0786221
.900	-.0163162	-.0926245	-.0160723	-.0840733	-.0156930	-.0769447
.950	-.0250242	-.0899710	-.0240302	-.0815545	-.0230178	-.0745172
1.000	-.0333611	-.0864774	-.0316362	-.0782235	-.0300081	-.0713756
1.100	-.0485966	-.0771735	-.0454919	-.0694777	-.0427068	-.0631324
1.200	-.0614398	-.0651981	-.0571029	-.0582934	-.0532924	-.0526478
1.300	-.0714321	-.0511426	-.0660500	-.0452258	-.0613788	-.0404445
1.400	-.0782580	-.0356732	-.0720483	-.0308983	-.0667072	-.0271085
1.500	-.0817557	-.0194967	-.0749573	-.0159708	-.0691541	-.0132580
1.600	-.0819204	-.0033257	-.0747850	-.0011059	-.0687539	+.0004875
1.700	-.0788986	+.0121560	-.0716727	+.0130623	-.0655934	+.0155374
1.800	-.0729760	+.0269267	-.0659029	+.0259593	-.0599998	+.0253585
1.900	-.0645579	+.0386515	-.0578609	+.0370952	-.0523230	+.0354988
2.000	-.0541448	+.0487079	-.0480207	+.0460857	-.0430132	+.0436066

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(1) $M = 5.0$

k	$(f_0)_R$	$(f_0)_I$	$(f_1)_R$	$(f_1)_I$	$(f_2)_R$	$(f_2)_I$
0.000	1.0000000	0.0000000	0.5000000	0.0000000	0.3333333	0.0000000
.005	.9999815	-.0052081	.4999882	-.0034722	.3333223	-.0026041
.010	.9999262	-.0104163	.4999447	-.0069441	.3332891	-.0052081
.015	.9998340	-.0156237	.4998755	-.0104156	.3332337	-.0078116
.020	.9997049	-.0208301	.4997787	-.0138865	.3331563	-.0104145
.025	.9995389	-.0260354	.4996542	-.0173561	.3330567	-.0130167
.030	.9993361	-.0312392	.4995021	-.0208247	.3329350	-.0156178
.035	.9990964	-.0364412	.4993223	-.0242919	.3327912	-.0182178
.040	.9988199	-.0416411	.4991150	-.0277575	.3326253	-.0208163
.045	.9985066	-.0468386	.4988800	-.0312209	.3324374	-.0234132
.050	.9981565	-.0520334	.4986174	-.0346823	.3322273	-.0260084
.055	.9977696	-.0572253	.4983273	-.0381413	.3319953	-.0286016
.060	.9973460	-.0624138	.4980097	-.0415977	.3317412	-.0311925
.065	.9968857	-.0675987	.4976646	-.0450512	.3314651	-.0337811
.070	.9963888	-.0727798	.4972919	-.0485016	.3311671	-.0363671
.075	.9958552	-.0779567	.4968918	-.0519487	.3308471	-.0389503
.080	.9952850	-.0831291	.4964643	-.0553922	.3305051	-.0415305
.085	.9946782	-.0882967	.4960094	-.0588318	.3301413	-.0441075
.090	.9940350	-.0934592	.4955272	-.0622674	.3297556	-.0466812
.095	.9933552	-.0986164	.4950176	-.0656987	.3293481	-.0492513
.100	.9926391	-.1037680	.4944808	-.0691255	.3289188	-.0518176
.105	.9918866	-.1089135	.4939167	-.0725475	.3284677	-.0543799
.110	.9910978	-.1140528	.4933255	-.0759645	.3279949	-.0569381
.115	.9902727	-.1191856	.4927071	-.0793763	.3275005	-.0594919
.120	.9894114	-.1243115	.4920616	-.0827826	.3269843	-.0620412
.125	.9885140	-.1294303	.4913891	-.0861833	.3264466	-.0645857
.130	.9875805	-.1345417	.4906896	-.0895779	.3258874	-.0671252
.135	.9866110	-.1396453	.4899631	-.0929664	.3253066	-.0696596
.140	.9856056	-.1447410	.4892098	-.0963486	.3247044	-.0721887
.145	.9845643	-.1498285	.4884297	-.0997240	.3240808	-.0747123
.150	.9834872	-.1549071	.4876228	-.1030926	.3234358	-.0772302
.160	.9812260	-.1650377	.4859291	-.1098085	.3220821	-.0822479
.170	.9788226	-.1751305	.4841291	-.1164938	.3206436	-.0872406
.180	.9762777	-.1851832	.4822256	-.1231473	.3191209	-.0922065
.190	.9735920	-.1951936	.4802130	-.1297669	.3175145	-.0971443
.200	.9707662	-.2051593	.4780979	-.1363509	.3158250	-.1020524
.225	.9630946	-.2298636	.4723582	-.1526630	.3112411	-.1141850
.250	.9545665	-.2542402	.4659815	-.1686736	.3061509	-.1260960
.275	.9451972	-.2782552	.4589806	-.1844155	.3005650	-.1377689
.300	.9350033	-.3018751	.4513693	-.1998424	.2944954	-.1491799
.325	.9240027	-.3250676	.4431625	-.2149286	.2879548	-.1603076
.350	.9122149	-.3478010	.4343763	-.2296491	.2809571	-.1711317
.400	.8865619	-.3917688	.4151360	-.2577970	.2656499	-.1917894
.450	.8576258	-.4335453	.3937989	-.2844054	.2487025	-.2110031
.500	.8262072	-.4729149	.3705310	-.3090004	.2302565	-.2288656
.550	.7925237	-.5096813	.3455127	-.3315367	.2104656	-.2445844
.600	.7562087	-.5436692	.3189365	-.3518786	.1894956	-.2586822
.650	.7181089	-.5747249	.2910056	-.3699112	.1675154	-.2708982
.700	.6782820	-.6027182	.2619322	-.3855591	.1447047	-.2811385
.750	.6369948	-.6275425	.2319549	-.3986872	.1212527	-.2893462
.800	.5945207	-.6491161	.2012373	-.4093013	.0973463	-.2954855
.850	.5511374	-.6673818	.1700659	-.4173480	.0731762	-.2995298
.900	.5071245	-.6823078	.1388477	-.4228149	.0485331	-.3014850
.950	.4627613	-.6938869	.1072085	-.4257107	.0248060	-.3013590
1.000	.4182842	-.7021370	.0759708	-.4260647	.0009806	-.2991911
1.100	.3303073	-.7083404	.0149626	-.4193695	-.0450500	-.2889425
1.200	.2451468	-.7030271	-.0427836	-.4053324	-.0878051	-.2713340
1.300	.1647368	-.6856458	-.0956418	-.3788691	-.1260860	-.2471954
1.400	.0907359	-.6575934	-.1424998	-.3471080	-.1588881	-.2175519
1.500	.0245213	-.6213919	-.1822973	-.3095706	-.1854334	-.1835802
1.600	-.0328450	-.5776666	-.2143017	-.2671120	-.2051909	-.1465596
1.700	-.0806373	-.5285418	-.2380740	-.2218626	-.2178885	-.1078202
1.800	-.1184735	-.4758431	-.2534710	-.1751698	-.2235125	-.0686911
1.900	-.1463097	-.4213785	-.2606375	-.1285410	-.2222985	-.0304506
2.000	-.1644220	-.3668753	-.2599884	-.0833906	-.2147102	+.0057207

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(i) M = 5.0 - Continued

k	$(f_3)_R$	$(f_3)_I$	$(f_4)_R$	$(f_4)_I$	$(f_5)_R$	$(f_5)_I$
0.000	0.2500000	0.0000000	0.2000000	0.0000000	0.1666667	0.0000000
.005	.2499908	-.0020855	.1999921	-.0017861	.1666597	-.0014881
.010	.2499651	-.0041664	.1999684	-.0034720	.1666390	-.0029760
.015	.2499170	-.0062492	.1999289	-.0052077	.1666044	-.0044657
.020	.2498524	-.0083315	.1998735	-.0069428	.1665560	-.0059510
.025	.2497695	-.0104131	.1998024	-.0086674	.1664938	-.0074377
.030	.2496681	-.0124958	.1997155	-.0104113	.1664177	-.0089238
.035	.2495482	-.0145756	.1996128	-.0121442	.1663278	-.0104091
.040	.2494100	-.0166521	.1994943	-.0138761	.1662242	-.0118934
.045	.2492554	-.0187292	.1993601	-.0156068	.1661067	-.0133767
.050	.2490784	-.0208048	.1992101	-.0173362	.1659755	-.0148588
.055	.2488850	-.0228787	.1990443	-.0190640	.1658305	-.0163395
.060	.2486733	-.0249507	.1988629	-.0207902	.1656717	-.0178188
.065	.2484433	-.0270207	.1986657	-.0225147	.1654992	-.0192965
.070	.2481949	-.0290885	.1984529	-.0242371	.1653130	-.0207725
.075	.2479283	-.0311538	.1982243	-.0259575	.1651130	-.0222466
.080	.2476434	-.0332166	.1979802	-.0276757	.1648994	-.0237188
.085	.2473403	-.0352767	.1977204	-.0293914	.1646721	-.0251888
.090	.2470189	-.0373339	.1974450	-.0311047	.1644312	-.0266565
.095	.2466794	-.0393880	.1971541	-.0328152	.1641767	-.0281219
.100	.2463217	-.0414389	.1968476	-.0345229	.1639085	-.0295848
.105	.2459460	-.0434864	.1965255	-.0362277	.1636268	-.0310450
.110	.2455521	-.0455303	.1961880	-.0379293	.1633315	-.0325024
.115	.2451402	-.0475705	.1958350	-.0396277	.1630228	-.0339570
.120	.2447103	-.0496067	.1954667	-.0413226	.1627005	-.0354085
.125	.2442634	-.0516389	.1950829	-.0430140	.1623648	-.0368568
.130	.2437965	-.0536669	.1946837	-.0447016	.1620156	-.0383018
.135	.2433128	-.0556905	.1942693	-.0463855	.1616531	-.0397435
.140	.2428112	-.0577095	.1938395	-.0480653	.1612772	-.0411815
.145	.2422918	-.0597237	.1933945	-.0497410	.1608880	-.0426159
.150	.2417547	-.0617331	.1929344	-.0514124	.1604855	-.0440465
.160	.2406274	-.0657365	.1919686	-.0547418	.1596408	-.0468958
.170	.2394296	-.0697188	.1909425	-.0580523	.1587434	-.0497283
.180	.2381618	-.0736773	.1898566	-.0613429	.1577937	-.0525430
.190	.2368244	-.0776122	.1887112	-.0646123	.1567921	-.0553390
.200	.2354180	-.0815216	.1875067	-.0678595	.1557389	-.0581152
.225	.2316031	-.0911756	.1842401	-.0758761	.1528829	-.0649650
.250	.2273681	-.1006433	.1806147	-.0837237	.1497139	-.0716661
.275	.2227226	-.1099055	.1766390	-.0913947	.1462395	-.0782097
.300	.2176767	-.1189436	.1723220	-.0988700	.1424678	-.0845794
.325	.2122417	-.1277395	.1676758	-.1061336	.1384078	-.0907614
.350	.2064297	-.1362756	.1627050	-.1131704	.1340692	-.0967420
.400	.1937267	-.1525018	.1518520	-.1265055	.1245975	-.1080481
.450	.1796800	-.1674948	.1398626	-.1387649	.1144420	-.1184004
.500	.1644131	-.1811393	.1268462	-.1498490	.1028012	-.1277115
.550	.1480597	-.1933324	.1129212	-.1596695	.0906812	-.1359038
.600	.1307625	-.2039850	.0982140	-.1681502	.0778955	-.1429111
.650	.1126716	-.2130224	.0828572	-.1752279	.0645622	-.1486789
.700	.0939430	-.2203847	.0669884	-.1808529	.0508051	-.1531647
.750	.0747371	-.2260278	.0507491	-.1849833	.0367506	-.1563387
.800	.0552173	-.2299832	.0342831	-.1876153	.0225269	-.1581857
.850	.0355480	-.2320583	.0177850	-.1887232	.0082630	-.1586953
.900	.0158935	-.2324367	.0012487	-.1885198	-.0059131	-.1578820
.950	-.0035839	-.2310774	-.0150336	-.1864256	-.0198751	-.1557049
1.000	-.0227253	-.2280150	-.0309734	-.1830747	-.0335002	-.1523773
1.100	-.0593912	-.2169929	-.0612957	-.1722056	-.0592716	-.1419819
1.200	-.0929576	-.1999527	-.0887259	-.1562386	-.0835545	-.1271875
1.300	-.1224207	-.1775968	-.1124043	-.1358749	-.1019987	-.1086413
1.400	-.1469544	-.1509136	-.1316339	-.1119554	-.1176047	-.0871166
1.500	-.1659373	-.1205371	-.1459043	-.0854434	-.1287434	-.0634786
1.600	-.1789700	-.0888026	-.1549061	-.0573444	-.1351699	-.0386469
1.700	-.1858836	-.0556800	-.1585876	-.0287030	-.1368274	-.0135571
1.800	-.1867582	-.0227277	-.1569018	-.0005418	-.1338440	+.0108781
1.900	-.1818120	+.0089528	-.1502953	+.0261755	-.1265218	+.0338048
2.000	-.1715821	+.0383568	-.1391896	+.0505801	-.1153184	+.0544609

TABLE I.- VALUES OF $f_\lambda(M,\bar{\omega}) = (f_\lambda)_R + i(f_\lambda)_I$ - Continued

(1) M = 5.0 - Continued

k	$(f_6)_R$	$(f_6)_I$	$(f_7)_R$	$(f_7)_I$	$(f_8)_R$	$(f_8)_I$
0.000	0.1428571	0.0000000	0.1250000	0.0000000	0.1111111	0.0000000
.005	.1428510	-.0013021	.1249945	-.001154	.1111061	-.0010417
.010	.1428325	-.0026040	.1249779	-.0023147	.1110910	-.0020832
.015	.1428018	-.0039057	.1249502	-.0034717	.1110658	-.0031246
.020	.1427588	-.0052071	.1249115	-.0046285	.1110306	-.0041656
.025	.1427035	-.0065079	.1248617	-.0057848	.110985	-.0052065
.030	.1426359	-.0078082	.1248008	-.0069405	.1109301	-.0062464
.035	.1425560	-.0091077	.1247289	-.0080956	.1108647	-.0072860
.040	.1424638	-.0104064	.1246460	-.0092500	.1107893	-.0083248
.045	.1423594	-.0117042	.1245521	-.0104034	.1107039	-.0093629
.050	.1422428	-.0130009	.1244471	-.0115559	.1106085	-.0104000
.055	.1421139	-.0142964	.1243311	-.0127073	.1105030	-.0114362
.060	.1419728	-.0155905	.1242041	-.0138575	.1103876	-.0124713
.065	.1418194	-.0168833	.1240661	-.0150064	.1102621	-.0135051
.070	.1416539	-.0181744	.1239171	-.0161539	.1101267	-.0145377
.075	.1414782	-.0194639	.1237572	-.0172999	.1099813	-.0155689
.080	.1412863	-.0207517	.1235863	-.0184443	.1098260	-.0165986
.085	.1410843	-.0220375	.1234045	-.0195869	.1096607	-.0176267
.090	.1408702	-.0233212	.1232118	-.0207276	.1094856	-.0186531
.095	.1406440	-.0246029	.1230082	-.0218665	.1093005	-.0196777
.100	.1404056	-.0258822	.1227938	-.0230032	.1091056	-.0207005
.105	.1401553	-.0271592	.1225685	-.0241378	.1089007	-.0217213
.110	.1398928	-.0284337	.1223323	-.0252702	.1086861	-.0227399
.115	.1396184	-.0297056	.1220854	-.0264001	.1084616	-.0237564
.120	.1393320	-.0309748	.1218277	-.0275276	.1082274	-.0247707
.125	.1390337	-.0322411	.1215592	-.0286525	.1079854	-.0257825
.130	.1387234	-.0335044	.1212800	-.0297747	.1077296	-.0267919
.135	.1384012	-.0347647	.1209901	-.0308840	.1074661	-.0277987
.140	.1380672	-.0360217	.1206895	-.0320105	.1071929	-.0288029
.145	.1377213	-.0372755	.1203785	-.0331240	.1069100	-.0298043
.150	.1373636	-.0385258	.1200565	-.0342344	.1066176	-.0308028
.160	.1366131	-.0410158	.1193812	-.0364545	.1060038	-.0327910
.170	.1358157	-.0434906	.1186638	-.0386427	.1053918	-.0347666
.180	.1349719	-.0459495	.1179047	-.0408254	.1046619	-.0367289
.190	.1340821	-.0483916	.1171041	-.0429929	.1039344	-.0386772
.200	.1331464	-.0508158	.1162624	-.0451441	.1031695	-.0406106
.225	.1306094	-.0567929	.1139804	-.0504465	.1010959	-.0454378
.250	.1277949	-.0626399	.1114491	-.0556806	.0987961	-.0500306
.275	.1247096	-.0684435	.1086747	-.0606844	.0962757	-.0545670
.300	.1213611	-.0738908	.1056642	-.0655962	.0935412	-.0589783
.325	.1177575	-.0792692	.1024248	-.0705547	.0905994	-.0632392
.350	.1139075	-.0844667	.0989647	-.0749489	.0874576	-.0673547
.400	.1055061	-.0942750	.0914168	-.0836029	.0806062	-.0750964
.450	.0962380	-.1032228	.0830948	-.0914796	.0730054	-.0821266
.500	.0861924	-.1112379	.0740801	-.0985086	.064804	-.0883812
.550	.0754658	-.1182495	.0644610	-.1046279	.0561625	-.0938041
.600	.0641605	-.1241992	.0543311	-.1097851	.0469879	-.0983477
.650	.0523842	-.1290388	.0437887	-.1139576	.0374471	-.1019737
.700	.0402484	-.1327616	.0329357	-.1170529	.0276337	-.1046531
.750	.0278674	-.1352523	.0218761	-.1191090	.0176434	-.1063667
.800	.0153569	-.1365870	.0107157	-.1200948	.0075783	-.1071051
.850	.0028634	-.1367036	-.0004398	-.1200095	-.0024796	-.1068689
.900	-.0095880	-.1357016	-.0114854	-.1188664	-.0124192	-.1056685
.990	-.0217937	-.1335120	-.0223183	-.1166770	-.0221511	-.1035239
1.000	-.0336784	-.1301968	-.0328584	-.1154810	-.0315841	-.1004645
1.100	-.0560565	-.1203709	-.0525618	-.1042314	-.0452077	-.0917833
1.200	-.0758988	-.1066858	-.0699540	-.0915460	-.0616517	-.0799703
1.300	-.0925966	-.0897551	-.0844203	-.0759827	-.0773782	-.0656066
1.400	-.1056055	-.0702368	-.0954961	-.0582003	-.0869711	-.0492850
1.500	-.1145582	-.0489811	-.1028629	-.0389288	-.0931503	-.0316819
1.600	-.1192574	-.0268060	-.1063583	-.0189373	-.0957807	-.0135074
1.700	-.1196770	-.0045598	-.1059786	+.0009993	-.0948742	+.0045257
1.800	-.1159600	+.0169845	-.1018743	+.0201324	-.0905884	+.0217318
1.900	-.1084064	+.0369122	-.0943399	+.0377711	-.0832006	+.0374812
2.000	-.0974561	+.0546969	-.0837963	+.0553085	-.0731219	+.0512250

TABLE I.- VALUES OF $f_\lambda(M,\bar\omega) = {}_3(f_\lambda)_R + 1(f_\lambda)_I$ - Concluded

(l) M = 5.0 - Concluded

k	$(f_9)_R$	$(f_9)_I$	$(f_{10})_R$	$(f_{10})_I$	$(f_{11})_R$	$(f_{11})_I$
0.000	0.1000000	0.0000000	0.0909091	0.0000000	0.0833333	0.0000000
.005	.0999954	−.0009470	.0909048	−.0008680	.0833294	−.0008013
.010	.0999816	−.0018958	.0908921	−.0017360	.0833175	−.0016025
.015	.0999585	−.0028405	.0908708	−.0026038	.0832978	−.0024035
.020	.0999262	−.0037869	.0908410	−.0034713	.0832701	−.0032043
.025	.0998847	−.0047329	.0908027	−.0043385	.0832345	−.0040047
.030	.0998340	−.0056785	.0907559	−.0052053	.0831911	−.0048048
.035	.0997741	−.0066235	.0907006	−.0060715	.0831397	−.0056044
.040	.0997050	−.0075679	.0906368	−.0069371	.0830805	−.0064034
.045	.0996267	−.0085115	.0905645	−.0078021	.0830134	−.0072018
.050	.0995392	−.0094543	.0904838	−.0086663	.0829384	−.0079995
.055	.0994426	−.0103962	.0903946	−.0095296	.0828556	−.0087964
.060	.0993367	−.0113371	.0902969	−.0103920	.0827648	−.0095924
.065	.0992218	−.0122769	.0901907	−.0112534	.0826663	−.0103874
.070	.0990976	−.0132155	.0900782	−.0121137	.0825599	−.0111815
.075	.0989644	−.0141528	.0899532	−.0129728	.0824457	−.0119744
.080	.0988220	−.0150887	.0898217	−.0138305	.0823237	−.0127661
.085	.0986705	−.0160231	.0896819	−.0146870	.0821939	−.0135565
.090	.0985100	−.0169560	.0895337	−.0155420	.0820562	−.0143456
.095	.0983403	−.0178873	.0893772	−.0163954	.0819109	−.0151332
.100	.0981617	−.0188168	.0892122	−.0172475	.0817577	−.0159194
.105	.0979739	−.0197444	.0890390	−.0180974	.0815968	−.0167039
.110	.0977772	−.0206702	.0888574	−.0189457	.0814282	−.0174868
.115	.0975715	−.0215939	.0886675	−.0197922	.0812519	−.0182680
.120	.0973567	−.0225156	.0884693	−.0206368	.0810679	−.0190473
.125	.0971331	−.0234350	.0882629	−.0214795	.0808763	−.0198248
.130	.0969005	−.0243522	.0880482	−.0223197	.0806769	−.0206002
.135	.0966590	−.0252670	.0878253	−.0231579	.0804700	−.0213736
.140	.0964086	−.0261794	.0875942	−.0239938	.0802554	−.0221449
.145	.0961494	−.0270892	.0873550	−.0248273	.0800333	−.0229140
.150	.0958813	−.0279964	.0871075	−.0256584	.0798036	−.0236808
.160	.0953188	−.0298024	.0865884	−.0273130	.0793216	−.0252072
.170	.0947213	−.0315970	.0860370	−.0289568	.0788097	−.0267256
.180	.0940891	−.0333792	.0854535	−.0305892	.0782680	−.0282294
.190	.0934224	−.0351485	.0848385	−.0322095	.0776968	−.0297240
.200	.0927215	−.0369041	.0841915	−.0338172	.0770964	−.0312067
.225	.0908214	−.0412290	.0824382	−.0377769	.0754688	−.0348579
.250	.0887143	−.0454559	.0804940	−.0416837	.0736642	−.0384225
.275	.0864054	−.0495687	.0783658	−.0454084	.0716871	−.0418918
.300	.0839006	−.0535635	.0760532	−.0490617	.0695427	−.0452572
.325	.0812063	−.0574287	.0735681	−.0525947	.0672366	−.0485104
.350	.0783293	−.0611553	.0709148	−.0559991	.0647748	−.0516436
.400	.0720569	−.0681571	.0651313	−.0623892	.0594097	−.0573196
.450	.0651469	−.0745031	.0587621	−.0681710	.0535029	−.0622884
.500	.0576691	−.0801344	.0518721	−.0732901	.0471153	−.0673196
.550	.0496987	−.0849995	.0445315	−.0776992	.0403127	−.0715490
.600	.0413156	−.0890552	.0368148	−.0813585	.0331646	−.0748800
.650	.0326036	−.0922665	.0288000	−.0842353	.0257441	−.0774850
.700	.0236494	−.0946073	.0205676	−.0863071	.0181265	−.0793365
.750	.0145416	−.0960607	.0122002	−.0875580	.0103850	−.0804265
.800	.0053698	−.0966188	.0037811	−.0879814	.0026094	−.0807472
.850	−.0037763	−.0962829	−.0046065	−.0875793	−.0051346	−.0803013
.900	−.0128079	−.0950635	−.0128801	−.0863621	−.0127661	−.0790990
.950	−.0216388	−.0929800	−.0209593	−.0843485	−.0202101	−.0771585
1.000	−.0301853	−.0900605	−.0287661	−.0815656	−.0273940	−.0745054
1.100	−.0460997	−.0818672	−.0432689	−.0738370	−.0407084	−.0672002
1.200	−.0599718	−.0708656	−.0558486	−.0635376	−.0522085	−.0575255
1.300	−.0713093	−.0575444	−.0660547	−.0511271	−.0614772	−.0459153
1.400	−.0797357	−.0424759	−.0735441	−.0371422	−.0682005	−.0328748
1.500	−.0850021	−.0262900	−.0780955	−.0221719	−.0721761	−.0189571
1.600	−.0869950	−.0096458	−.0796066	−.0068813	−.0733217	−.0047381
1.700	−.0855376	+.0067970	−.0781150	+.0082663	−.0716748	+.0092089
1.800	−.0813856	+.0224065	−.0737784	+.0225551	−.0673886	+.0223583
1.900	−.0742164	+.0366050	−.0668501	+.0354419	−.0607217	+.0341553
2.000	−.0646137	+.0488920	−.0577115	+.0469275	−.0500244	+.0442360